Invacare® ***MyOn***™ ***MyOn Jr*** Wheelchairs

User Manual

EN

This manual MUST be given to the user of the product.

BEFORE using this product, read this manual and save for future reference.

INVACARE®

Yes, you can.®

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1 General

1.1 Symbols

Warnings

Signal words are used in this manual and apply to hazards or unsafe practices which could result in personal injury or property damage. See the information below for definitions of the signal words.

WARNING

Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Caution indicates a potentially hazardous situation which, if not avoided, may result in property damage or minor injury or both.

Gives useful tips, recommendations and information for efficient, trouble-free use.

1 GENERAL

1.2 Limited Warranty

PLEASE NOTE: THE WARRANTY BELOW HAS BEEN DRAFTED TO COMPLY WITH FEDERAL LAW APPLICABLE TO PRODUCTS MANUFACTURED AFTER JULY 4, 1975.

This warranty is extended only to the original purchaser/user of our products.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

Invacare warrants its product to be free from defects in materials and workmanship for a period of one year from the date of purchase when purchased new and unused from Invacare or an authorized provider. The side frames and crossmembers are under a limited lifetime warranty from the date of purchase when purchased new and unused from Invacare or an authorized provider for the original purchaser/user. If within such warranty period any such product shall be proven to be defective, such product shall be repaired or replaced, at Invacare's option, with refurbished or new parts. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. Product repairs shall not extend this warranty - coverage for repaired product shall end when this limited warranty terminates. Invacare's sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service, please contact the dealer from whom you purchased your Invacare product. In the event you do not receive satisfactory warranty service, please write directly to Invacare at the address on the back cover. Provide dealer's name, address, the product model number, date of purchase, indicate nature of the defect and, if the product is serialized, indicate the serial number. DO NOT return products to our factory without our prior consent.

LIMITATIONS AND EXCLUSIONS: THE FOREGOING WARRANTY SHALL NOT APPLY TO SERIAL NUMBERED PRODUCTS IF THE SERIAL NUMBER HAS BEEN REMOVED OR DEFACED, PRODUCTS SUBJECTED TO NEGLIGENCE, ACCIDENT, IMPROPER OPERATION, MAINTENANCE OR STORAGE, PRODUCTS MODIFIED WITHOUT INVACARE'S EXPRESS WRITTEN CONSENT INCLUDING, BUT NOT LIMITED TO, MODIFICATION THROUGH THE USE OF UNAUTHORIZED PARTS OR ATTACHMENTS; PRODUCTS DAMAGED BY REASON OF REPAIRS MADE TO ANY COMPONENT WITHOUT THE SPECIFIC CONSENT OF INVACARE, OR TO A PRODUCT DAMAGED BY CIRCUMSTANCES BEYOND INVACARE'S CONTROL, AND SUCH EVALUATION WILL BE SOLELY DETERMINED BY INVACARE. THE WARRANTY SHALL NOT APPLY TO PROBLEMS ARISING FROM NORMAL WEAR OR FAILURE TO ADHERE TO THESE INSTRUCTIONS.

THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES WHATSOEVER, WHETHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABLITY AND FITNESS FOR A PARTICULAR PURPOSE, AND THE SOLE REMEDY FOR VIOLATIONS OF ANY WARRANTY WHATSOEVER, SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT PURSUANT TO THE TERMS CONTAINED HEREIN. THE APPLICATION OF ANY IMPLIED WARRANTY WHATSOEVER SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESS WARRANTY PROVIDED HEREIN. INVACARE SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

THIS WARRANTY SHALL BE EXTENDED TO COMPLY WITH STATE/PROVINCIAL LAWS AND REQUIREMENTS.

2 Safety

The safety section contains important information for the safe operation and use of this product.

2.1 General Guidelines

WARNING

DO NOT use this product or any available optional equipment without first completely reading and understanding these instructions and any additional instructional material such as owner's manuals, service manuals or instruction sheets supplied with this product or optional equipment. If you are unable to understand the warnings, cautions or instructions, contact a healthcare professional, dealer or technical personnel before attempting to use this equipment - otherwise, injury or damage may occur.

ACCESSORIES WARNINGS

Invacare products are specifically designed and manufactured for use in conjunction with Invacare accessories. Accessories designed by other manufacturers have not been tested by Invacare and are not recommended for use with Invacare products.

NOTICE

THE INFORMATION CONTAINED IN THIS DOCUMENT IS SUBJECT TO CHANGE WITHOUT NOTICE.
Check all parts for shipping damage and test before using. In case of damage, DO NOT use. Contact Invacare/Carrier for further instruction.

WARNING

Wheelchair User

As a manufacturer of wheelchairs, Invacare endeavors to supply a wide variety of wheelchairs to meet many needs of the end user. However, final selection of the type of wheelchair to be used by an individual rests solely with the user and his/her healthcare professional capable of making such a selection,

WARNING

Wheelchairs with TRRO or TRBKTS Only

Only use the transport brackets included with TRRO and TRBKTS for the purposes described in this manual.

WHEELCHAIRS WITH TRRO ONLY - The caster headtube and center of gravity are factory set. DO NOT adjust or replace the caster headtube or center of gravity - otherwise injury or damage may occur. Contact Invacare for service.

Wheelchair Tie Down Restraints (TRRO or TRBKTS)

TRRO includes four factory-installed transport brackets and a wheelchair anchored pelvic belt. TRRO has been crash-tested in accordance with ANSI/RESNA WC Vol 1 Section 19 Frontal Impact Test requirements for wheelchairs with a 168 lb crash dummy, which corresponds to a person with a weight of 114 to 209 lbs.

TRBKTS includes four factory-installed wheelchair transport brackets. TRBKTS has not been crash-tested in accordance with WC 19. Use these transport brackets only to secure an unoccupied wheelchair during transport.

Only use the transport brackets included with TRRO and TRBKTS for the purposes described in this manual.

As of this date, the Department of Transportation has not approved any tie-down systems for transportation of a user while in a wheelchair, in a moving vehicle of any type. It is Invacare's position that users of wheelchairs should be transferred into appropriate seating in vehicles for transportation and use be made of the restraints made available by the auto industry. Invacare cannot and does not recommend any wheelchair transportation systems.

Refer to Transport Ready Option on page 53 for more information about transporting the wheelchair.

WARNING

Stability Warning

The seat height, seat depth, back angle, seating system/upholstery, size/position of the rear wheels, size/position of the front casters, as well as the user condition directly relate to the stability of the wheelchair. Any change to one or any combination of the nine may cause the wheelchair to decrease in stability. These adjustments MUST be performed by a qualified technician.

Seat-to-floor heights have specific positions depending on rear wheel size, rear wheel position, front caster size/position and seat-to-floor angle. These adjustments MUST be performed by a qualified technician.

When changes to the left hand column occur, follow across the chart and refer to the • procedure to maintain the proper stability, safety and handling of the wheelchair.	SEAT HEIGHT	SEAT DEPTH	BACK ANGLE	SEATING SYSTEM UPHOLSTERY	CASTER SIZE	CASTER POSITION	REAR WHEEL SIZE	REAR WHEEL POSITION	USER CONDITION	WHEEL LOCKS	ANTI-TIPPERS
SEAT HEIGHT	•	X	X	X	X	X	X	X	N/A	N/A	N/A
SEAT DEPTH	X	•	X	X	X	X	X	X	N/A	N/A	N/A
BACK ANGLE	X	X	•	X	X	X	X	X	N/A	N/A	N/A
SEATING SYSTEM/UPHOLSTERY	X	X	X	•	X	X	X	X	X	N/A	N/A
CASTER SIZE	X	N/A	X	N/A	•	X	X	X	N/A	X	X
CASTER POSITION	X	N/A	X	N/A	X	•	X	X	N/A	X	X
REAR WHEEL SIZE	X	N/A	X	N/A	X	X	•	X	N/A	X	X
REAR WHEEL POSITION	X	N/A	X	N/A	X	X	X	•	N/A	X	X
USER CONDITION	X	X	X	X	X	X	X	X	•	N/A	N/A

WARNING

Repair and Service Information

Unless otherwise noted, all service and adjustments should be performed while the wheelchair is unoccupied.

Operating Information

To determine and establish your particular safety limits, practice bending, reaching and transferring activities in several combinations in the presence of a qualified healthcare professional before attempting active use of the wheelchair.

DO NOT attempt to reach objects if you have to move forward in the seat.

DO NOT attempt to reach objects if you have to pick them up from the floor by reaching down between your knees.

DO NOT lean over the top of the back upholstery to reach objects from behind as this may cause the wheelchair to tip over.

DO NOT shift your weight or sitting position toward the direction you are reaching as the wheelchair may tip over.

DO NOT tip the wheelchair without assistance.

DO NOT use an escalator to move a wheelchair between floors. Serious bodily injury may occur.

DO NOT operate on roads, streets or highways.

DO NOT climb, go up or down ramps or traverse slopes greater than 9°.

NEVER leave an unoccupied wheelchair on an incline.

DO NOT attempt to move up or down an incline with a water, ice or oil film.

DO NOT attempt to ride over curbs or obstacles. Doing so may cause your wheelchair to turn over and cause bodily harm or damage to the wheelchair.

WARNING

Wheel locks are not brakes. DO NOT attempt to stop a moving wheelchair with the wheel locks

DO NOT attempt to lift the wheelchair by any removable (detachable) parts. Lifting by means of any removable (detachable) parts of a wheelchair may result in injury to the user or damage to the wheelchair.

NEVER try to lift or tip the wheelchair by cantilever arms or T- arms, serious injury can occur.

DO NOT overtighten hardware attaching to the frame. This could cause damage to the frame tubing.

DO NOT stand on the frame of the wheelchair.

DO NOT sit or transfer into the wheelchair unless it is fully open and the seat frame rails are fully seated into the side frame H-blocks.

Anti-tippers MUST BE attached at all times. Inasmuch as the anti-tippers are an option on this wheelchair (you may order with or without the anti-tippers), Invacare strongly recommends ordering the anti-tippers as an additional safeguard for the wheelchair user.

Unless otherwise noted, all service and adjustments should be performed while the wheelchair is unoccupied.

If wheelchair is exposed to extreme temperature (above 100°F or below 32°F), high humidity and/or becomes wet, prior to use, ensure handgrips DO NOT twist on wheelchair handle - otherwise damage or injury may occur.

ALWAYS use the handrims for self-propulsion. Inasmuch as the handrims are an option on this wheelchair (you may order with or without the handrims), Invacare strongly recommends ordering the handrims as an additional safeguard for the wheelchair user.

DO NOT use the footplate as a platform when getting in or out of the wheelchair.

ALWAYS keep hands and fingers clear of moving parts to avoid injury.

DO NOT place hand or fingers on the underside of the seat rail when opening or closing the wheelchair.

WARNING

Seat Positioning Straps

ALWAYS wear your seat positioning strap. Inasmuch as the seat positioning strap is an option on this wheelchair (you may order with or without the seat positioning strap), Invacare strongly recommends ordering the seat positioning strap as an additional safeguard for the wheelchair user. The seat positioning strap is a positioning strap only. It is not designed for use as a safety device withstanding high stress loads such as auto or aircraft safety belts. If signs of wear appear, strap MUST be replaced IMMEDIATELY.

With regards to seat/chest positioning straps - it is the obligation of the DME dealer, therapists and other healthcare professionals to determine if a seat/chest positioning strap is required to ensure the safe operation of this equipment by the user. Serious injury can occur in the event of a fall from a wheelchair.

Tire Pressure

DO NOT use your wheelchair unless it has the proper tire pressure (p.s.i.). DO NOT overinflate the tires. Failure to follow these suggestions may cause the tire to explode and cause bodily harm. The recommended tire pressure is listed on the side wall of the tire.

Replacement of a pneumatic tire or tube MUST be performed by a qualified technician.

Weight Training

Invacare does not recommend the use of its wheelchairs as a weight training apparatus. Invacare wheelchairs have not been designed or tested as a seat for any kind of weight training. If occupant uses said wheelchair as a weight training apparatus, Invacare shall not be liable for bodily injury or physical disability and the warranty will be void.

Weight Limitation

The wheelchair has a weight limitation of:

MyOn - 275 lbs (125 kgs)

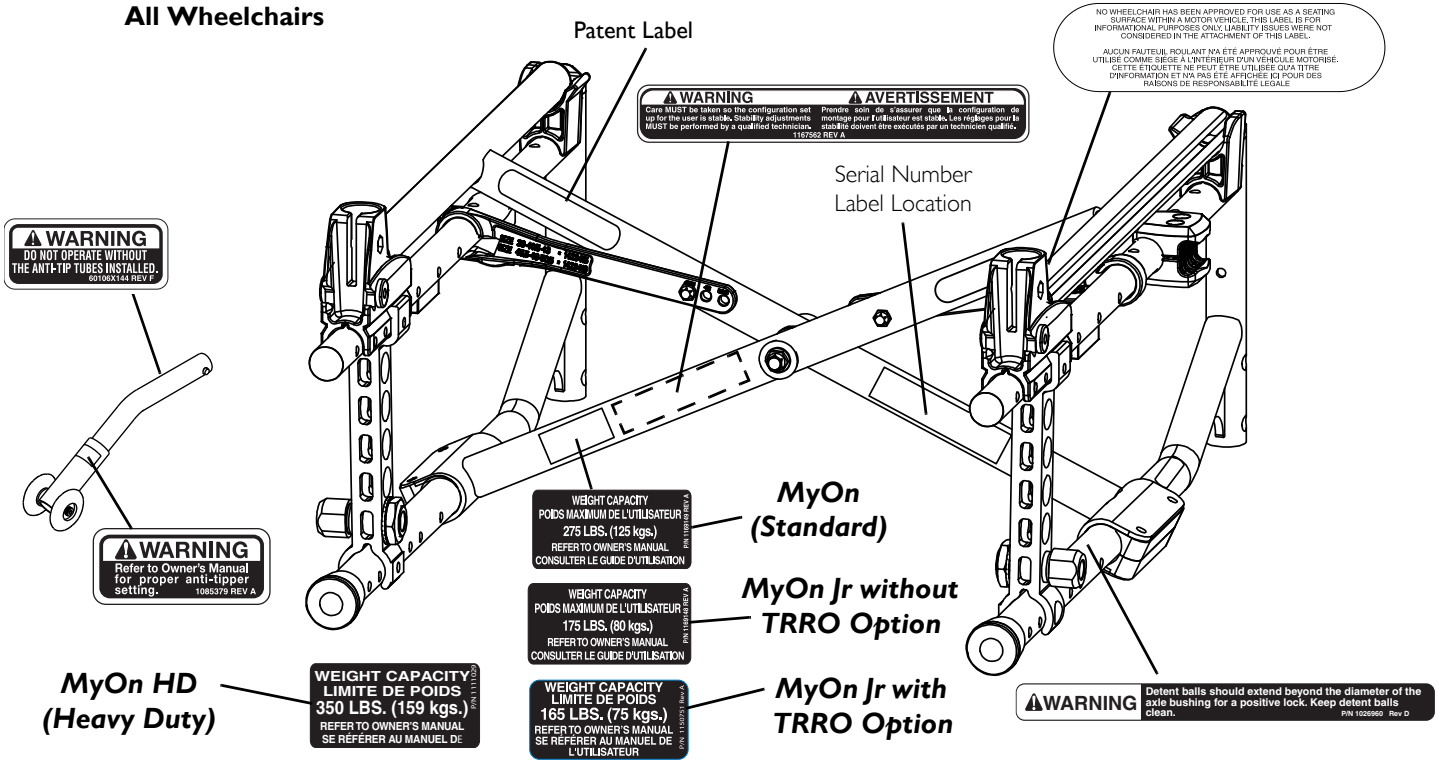
Myon Jr - 165 lbs (75 kgs) with TRRO option; 175 lbs (85 kgs) without TRRO option

MyOn (Heavy Duty) - 350 lbs (159 kgs)

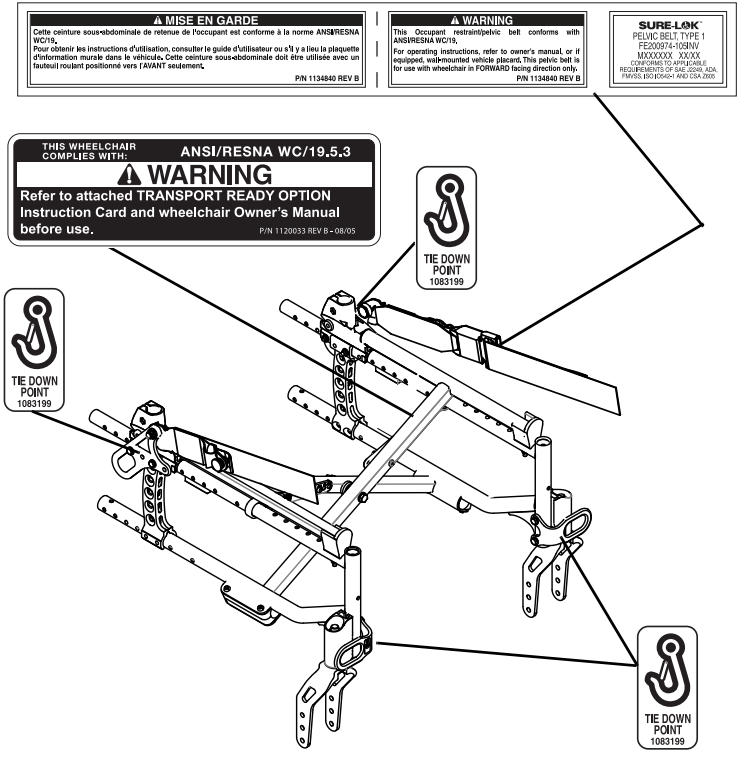
3 Overview

3.1 Label Locations

All Wheelchairs

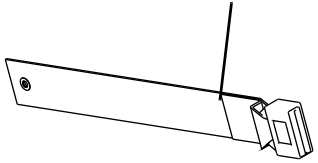

Patent Label
NO WHEELCHAIR HAS BEEN APPROVED FOR USE AS A SEATING SURFACE WITHIN A MOTOR VEHICLE. THIS LABEL IS FOR INFORMATIONAL PURPOSES ONLY. LIABILITY ISSUES WERE NOT CONSIDERED IN THE ATTACHMENT OF THIS LABEL.
AUCUN FAUTEUIL ROULANT N'A ÉTÉ APPROUVÉ POUR ÊTRE UTILISÉ COMME SIÈGE À L'INTÉRIEUR D'UN VÉHICULE MOTORISÉ. CETTE ÉTIQUETTE NE PEUT ÊTRE UTILISÉE QU'À TITRE D'INFORMATION ET N'A PAS ÉTÉ AFFICHÉE ICI POUR DES RAISONS DE RESPONSABILITÉ LÉGALE
WARNING
Care MUST be taken so the configuration set up for the user is stable. Stability adjustments MUST be performed by a qualified technician.
AVERTISSEMENT
Prendre soin de s'assurer que la configuration de montage pour l'utilisateur est stable. Les réglages pour la stabilité doivent être exécutés par un technicien qualifié.
1167562 REV A
Serial Number Label Location
WARNING
DO NOT OPERATE WITHOUT THE ANTI-TIP TUBES INSTALLED.
60106X144 REV F
WARNING
Refer to Owner's Manual for proper anti-tipper setting.
1085379 REV A
WEIGHT CAPACITY
POIDS MAXIMUM DE L'UTILISATEUR
275 LBS. (125 kgs.)
REFER TO OWNER'S MANUAL
CONSULTER LE GUIDE D'UTILISATION
MyOn (Standard)
WEIGHT CAPACITY
POIDS MAXIMUM DE L'UTILISATEUR
175 LBS. (80 kgs.)
REFER TO OWNER'S MANUAL
CONSULTER LE GUIDE D'UTILISATION
MyOn Jr without TRRO Option
MyOn HD (Heavy Duty)
WEIGHT CAPACITY
LIMITE DE POIDS
350 LBS. (159 kgs.)
REFER TO OWNER'S MANUAL
SE RÉFÉRER AU MANUEL DE
WEIGHT CAPACITY
LIMITE DE POIDS
165 LBS. (75 kgs.)
REFER TO OWNER'S MANUAL
SE RÉFÉRER AU MANUEL DE L'UTILISATEUR
MyOn Jr with TRRO Option
WARNING
Detent balls should extend beyond the diameter of the axle bushing for a positive lock. Keep detent balls clean.
P/N 1026960 Rev D

Wheelchairs with Transport Ready Option

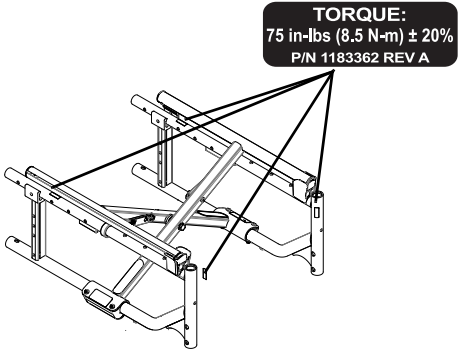

⚠ MISE EN GARDE
Cette ceinture sous-abdominale de retenue de l'occupant est conforme à la norme ANSI/RESNA WC/19.
Pour obtenir les instructions d'utilisation, consulter le guide d'utilisateur ou s'it y a lieu la plaquette d'information murale dans le véhicule. Cette ceinture sous-abdominale doit être utilisée avec un fauteuil roulant positionné vers l'AVANT seulement.
P/N 1134840 REV B
⚠ WARNING
This Occupant restraint/pelvic belt conforms with ANSI/RESNA WC/19.
For operating instructions, refer to owner's manual, or if equipped, wall-mounted vehicle placard. This pelvic belt is for use with wheelchair in FORWARD facing direction only.
P/N 1134840 REV B
SURE-LOK
PELVIC BELT, TYPE 1
FE200974-109INV
MXXXXXX XX/XX
CONFORMS TO APPLICABLE REQUIREMENTS OF SAE J2249, ADA, FMVSS 210/302+1 AND CSA Z605
THIS WHEELCHAIR COMPLIES WITH: ANSI/RESNA WC/19.5.3
⚠ WARNING
Refer to attached TRANSPORT READY OPTION Instruction Card and wheelchair Owner's Manual before use.
P/N 1120033 REV B – 08/05
TIE DOWN POINT 1083199
TIE DOWN POINT 1083199
TIE DOWN POINT 1083199

Wheelchairs without TRRO

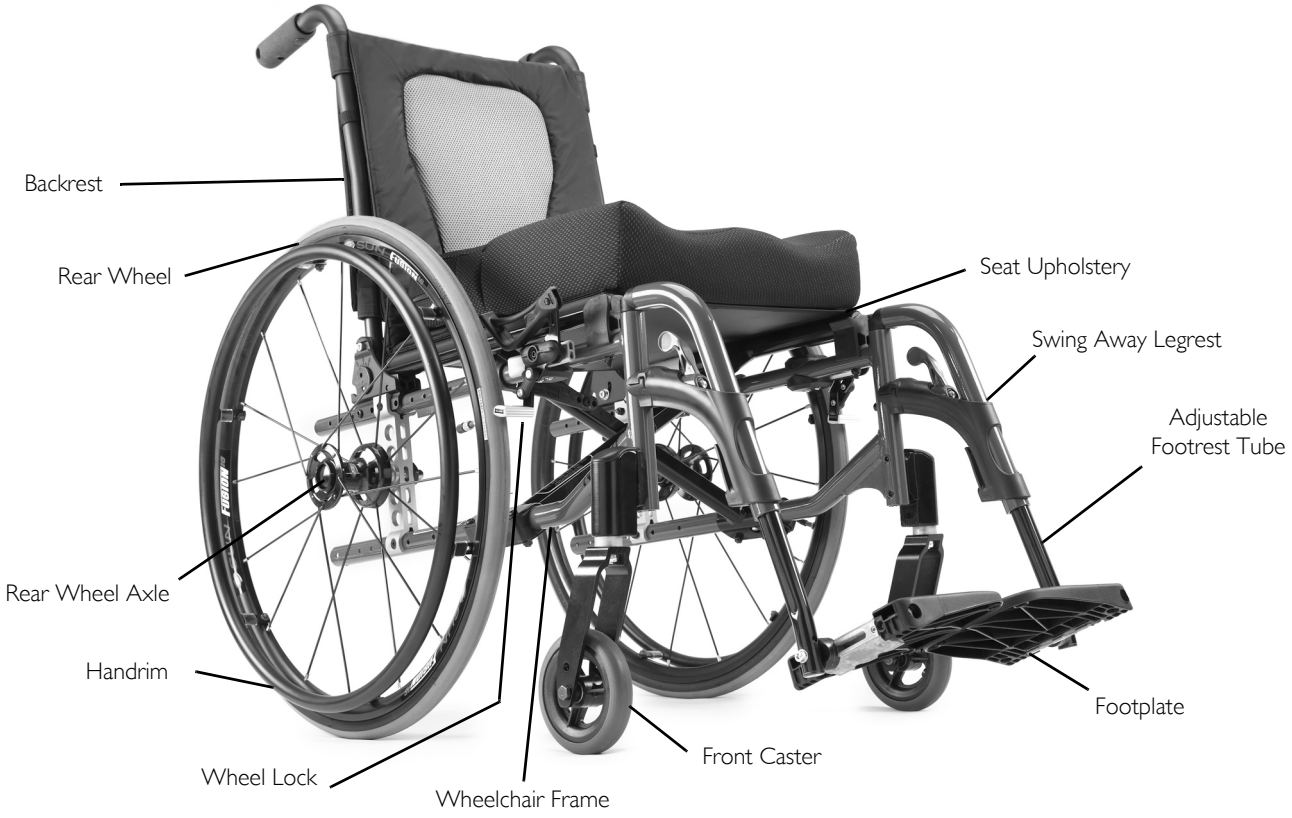
⚠ WARNING
This seat/chest positioning strap is NOT intended for occupant restraint in a moving motor vehicle, and DOES NOT conform with ANSI/RESNA WC/19. If signs of wear appear, positioning strap MUST be replaced IMMEDIATELY.
P/N 1134811 REV B
⚠ MISE EN GARDE
Cette ceinture de positionnement au niveau du siège ou du dossier N'EST PAS conçue pour retenir l'occupant dans un véhicule à moteur en mouvement et elle N'EST PAS conforme à la norme ANSI/RESNA WC/19. La ceinture DOIT être remplacée AUSSITÔT qu'elle présente des signes d'usure.



Auto style seat positioning strap shown. This label is also on the airline style seat positioning strap.

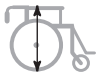


3.2 Component Identification



3.3 Typical Product Parameters

DESCRIPTION	GRAPHIC	MyOn	MyOn Jr	MyOn HD
MODEL NUMBERS:		MYONADLT MYONTO MYONTS	FXMYONJR FXMYONJRTS GRMYONJR GRMYONJRTS	MYONADLT W/HDPG
SEAT WIDTH:		15 - 20 inches in 1 inch increments, 22 and 24 inches	Adjustable Seat Width 8 - 11 and 12 - 15 inches in 1 inch increments	20, 22 or 24 inches (Heavy Duty)
OVERALL WIDTH:		$22^{7}/_{16}$ - $27^{7}/_{16}$ inches in 1 inch increments.	$15^{9}/_{16}$ - $22^{9}/_{16}$ in 1 inch increments.	$23^{1}/_{4}$ -$32^{1}/_{4}$ in one inches increments.
WIDTH OF FOLDED WHEELCHAIR:		$11^{1}/_{4}$ inches	$12^{3}/_{8}$ inches	12 inches
SEAT DEPTH:		16, 17, 18, 19, and 20 inches	8 - 15 inches in 1 inch increments	16-20 inches in 1 inch increments
OVERALL DEPTH (WITH RIGGINGS):		$39^{3}/_{8}$ inches	$36^{5}/_{8}$ inches	$41^{5}/_{16}$ inches min. $43^{11}/_{16}$ inches max

DESCRIPTION	GRAPHIC	MyOn	MyOn Jr	MyOn HD
OVERALL DEPTH (WITHOUT RIGGINGS):		$28\frac{1}{4}$ inches min. $33\frac{3}{4}$ inches max	$27\frac{9}{16}$ inches min. $29\frac{1}{2}$ inches max	$32\frac{11}{16}$ inches min. $35\frac{5}{16}$ inches max
OVERALL HEIGHT:		32 inches min 40 inches max	$35\frac{13}{16}$ inches min. $36\frac{5}{8}$ max	$35\frac{5}{16}$ inches min. $40\frac{9}{16}$ inches max
HEIGHT OF CHAIR WITH BACKREST FOLDED:		$24\frac{5}{8}$ inches min. $29\frac{1}{2}$ inches max	$27\frac{3}{16}$ inches min. 28 inches max	$24\frac{5}{8}$ inches min. $29\frac{1}{2}$ inches inch
SEAT TO FLOOR HEIGHT FROM FRONT OF SEAT TO FLOOR:		14, 15, 16, 17, 18,19, 20	14, 15, 16, 17, 18	18, 19, 20
SEAT TO FLOOR HEIGHT FROM BACK OF SEAT TO FLOOR:		13, 14, 15, 16, 17, 18, 19, 20	13, 14, 15, 16, 17	13, 14, 15, 16, 17, 18, 19, 20
BACK STYLE:		Fixed Height with push handles Folding Back, Fixed Height with push handles Adjustable Height with push handles Adjustable Height without push handles Adjustable angle back with push handles		

DESCRIPTION	GRAPHIC	MyOn	MyOn Jr	MyOn HD
BACK HEIGHT:		Fixed Height w/ push handles: • 14 inch* • 16 inch* • 20 inch* Folding Back, Fixed Height w/ push handles • 16 inch** • 17 inch** • 20 inch** Adjustable Height with Push Handles • 12-16 inch range* • 15-19 inch range* Adjustable Height without Push Handles • 12-16 inch range* • 15-19 inch range* Adjustable angle back w/ push handles • 15-19 inch range*	Fixed Height w/ push handles: • 14 inch* • 16 inch* Folding Back, Fixed Height w/ push handles • 16 inch** • 17 inch** Adjustable Height with Push Handles • 12-16 inch range* • 15-19 inch range* Adjustable Height without Push Handles • 12-16 inch range* • 15-19 inch range* Adjustable angle back w/ push handles • 12-16 inch range* • 15-19 inch range*	Fixed Height w/ push handles: • 14 inch* • 16 inch* • 20 inch* Folding Back, Fixed Height w/ push handles • 16 inch** • 17 inch** • 20 inch**
		ⓘ * 0° Back cane angle. **8° Back cane angle.		
ADJUSTABLE BACK ANGLE (OPTIONAL):		-6° to 15°		

DESCRIPTION	GRAPHIC	MyOn	MyOn Jr	MyOn HD
BACK UPHOLSTERY STYLE:	N/A	Slip on Back Upholstery Adjustable Tension	Adjustable width and height Nylon Type	Slip on Back Upholstery Adjustable Tension
ARM STYLES:	N/A	Removable Conventional Adj. Height Desk/Full Conventional Non Adj Height Desk/Full T-Arm Desk/Full Cantilever Clamp on Desk/Full	Adj Height "T" arm (Desk Length) Cantilever Arm Clamp On Desk/Full	Conventional Adj. Height Desk/Full Conventional Non Adj Height Desk/Full T-Arm Desk/Full
FRONT RIGGINGS:	N/A	70° Swing-in/Swing-out 80° Swing-in/Swing-out 90° Swing-in/Swing-out Elevating Legrest Swing-in/ Swing-out	90° Straight Lift Off ELR Lift 80 Swing in/out	70° Swing-in/Swing-out 80° Swing-in/Swing-out 90° Straight Lift Off Hanger Elevating Legrest Swing-in/ Swing-out
FOOTPLATE:	N/A	Flip up footplates Flip up, adjustable angle One Piece Footplate		
REAR AXLE:	N/A	Permanent Quick-Release	Permanent Quick-Release	Quick-Release

DESCRIPTION	GRAPHIC	MyOn	MyOn Jr	MyOn HD
REAR WHEELS:	N/A	20, and 22 inch Composite 24 inch Composite (7 Spoke wheels) 22, 24, 25, 26 inch spoke wheels 24, 25, 26 Sun Fusion 16 Spoke Wheels 24, 25, 26 Spinergy Spoke Wheels	20, and 22 inch Composite 24 inch Composite (7 Spoke wheels) 24 inch spoke wheels	20, and 22 inch Composite
HANDRIMS:	N/A	Aluminum Anodized Handrims Black Anodized Handrims Plastic Coated Handrims Natural Fit LT Handrims Standard Grip Natural Fit LT Handrims Super Grip Natural Fit Handrims Standard Grip Natural Fit Handrims Super Grip Plastic Coated w/8 Oblique Projections Plastic Coated w/8 vertical projections Plastic coated w/12 vertical projections		
WHEEL LOCKS:	N/A	Pull to Lock (clamp on) Push-to-lock (clamp on) Pull to Lock with wheel lock extension (clamp on) Push-to-lock with wheel lock extension (clamp on) Hill Holder (clamp on) Hideaway/Undermount Hill Holder		

DESCRIPTION	GRAPHIC	MyOn	MyOn Jr	MyOn HD
CASTER OPTIONS:	N/A	5 inch aluminum urethane casters 5 inch composite urethane casters 5 inch x 1 $^{1}/_{2}$ wide soft roll casters 6 inch composite urethane 3 spoke casters 6 inch x 1 $^{1}/_{4}$ inch composite pneumatic casters 8 inch x 1 $^{1}/_{4}$ inch composite urethane casters 8 inch x 1 $^{1}/_{4}$ inch pneumatic casters Flat free inserts for 8 inch x 1 $^{1}/_{4}$ casters	5 inch aluminum urethane casters 5 inch composite urethane casters 5 inch x 1 $^{1}/_{2}$ wide soft roll casters	5 inch aluminum urethane casters 5 inch composite urethane casters 5 inch x 1 $^{1}/_{2}$ wide soft roll casters 6 inch composite urethane 3 spoke casters 6 inch x 1 $^{1}/_{4}$ inch composite pneumatic casters 8 inch x 1 $^{1}/_{4}$ inch composite urethane casters 8 inch x 1 $^{1}/_{4}$ inch pneumatic casters Flat free inserts for 8 inch x 1 $^{1}/_{4}$ casters
WEIGHT:	N/A	32 lbs (14.5 Kg)	32 lbs (14,5 kg)	33 lbs (15 Kg)
WEIGHT CAPACITY:	N/A	275 lbs (125 Kg)	165 lbs (75 Kg) with TRRO 175 lbs (85 Kg) w/o TRRO	350 lbs (159 Kg)
SHIPPING WEIGHT (APPROXIMATE):	N/A	34 lbs	34 lbs	34 lbs

4 Safety/Handling of Wheelchairs

4.1 Safety/Handling of Wheelchairs

"Safety and Handling" of the wheelchair requires the close attention of the wheelchair user as well as the assistant. This manual points out the most common procedures and techniques involved in the safe operation and maintenance of the wheelchair. It is important to practice and master these safe techniques until you are comfortable in maneuvering around the frequently encountered architectural barriers.

Use this information only as a "basic" guide. The techniques that are discussed on the following pages have been used successfully by many.

Individual wheelchair users often develop skills to deal with daily living activities that may differ from those described in this manual. Invacare recognizes and encourages each individual to try what works best for him/her in overcoming architectural obstacles that they may encounter, however all warnings and cautions given in this manual MUST be followed. Techniques in this manual are a starting point for the new wheelchair user and assistant with "safety" as the most important consideration for all.

4.2 Stability and Balance

WARNING

ALWAYS wear your seat positioning strap. Inasmuch as the seat positioning strap is an option on this wheelchair (you may order with or without the seat positioning strap), Invacare strongly recommends ordering the seat positioning strap as an additional safeguard for the wheelchair user. The seat positioning strap is a positioning strap only. It is not designed for use as a safety device withstanding high stress loads such as auto or aircraft safety belts. If signs of wear appear, strap MUST be replaced IMMEDIATELY.

DO NOT attempt to lift a wheelchair by lifting on any removable (detachable) parts. Lifting by means of any removable (detachable) parts of the wheelchair may result in injury to the user or damage to the wheelchair.

ALWAYS check hand grips for looseness before using the wheelchair. If loose and/or worn, replace IMMEDIATELY.

DO NOT climb, go up, or down ramps or traverse slopes greater than 9°.

Invacare strongly recommends proceeding down ramps or slopes slowly to avoid hard braking or sudden stops.

DO NOT leave elevating legrests in the fully extended position when proceeding down ramps or slopes.

Be aware that carrying heavy objects on your lap while occupying the wheelchair may adversely affect the stability of the wheelchair, resulting in serious bodily injury to the user, damage to the wheelchair and surrounding property.

WARNING

This wheelchair has been designed to accommodate one individual. If more than one individual occupies the wheelchair this may adversely affect the stability of the wheelchair, resulting in serious bodily injury to the user and passenger and damage the wheelchair and surrounding property.

To assure stability and proper operation of your wheelchair, you must at all times wear your seat positioning strap and maintain proper balance. Your wheelchair has been designed to remain upright and stable during normal daily activities as long as you do not move beyond the center of gravity.

Virtually all activities which involve movement in the wheelchair have an effect on the center of gravity. Invacare recommends using seat positioning straps for additional safety while involved in activities that shift your weight.

DO NOT lean forward out of the wheelchair any further than the length of the armrests. Make sure the casters are pointing in the forward position whenever you lean forward. This can be achieved by advancing the wheelchair and then reversing it in a straight line.

4.3 Coping with Everyday Obstacles

Coping with the irritation of everyday obstacles can be alleviated somewhat by learning how to manage your wheelchair. Keep in mind your center of gravity to maintain stability and balance.

4.4 A Note to Wheelchair Assistants

When assistance to the wheelchair user is required, remember to use good body mechanics. Keep your back straight and bend your knees whenever tilting the wheelchair or traversing curbs, or other impediments.

Also, be aware of detachable parts such as arms or legrests. These must NEVER be used to move the wheelchair or as lifting supports, as they may be inadvertently released, resulting in possible injury to the user and/or assistant(s).

When learning a new assistance technique, have an experienced assistant help you before attempting it alone.

4.5 Tipping

WARNING

DO NOT tip the wheelchair without assistance**.**

When tipping the wheelchair, an assistant should grasp the back of the wheelchair on a non-removable (non-detachable) part. Inform the wheelchair occupant before tipping the wheelchair and remind him/her to lean back. Be sure the occupant's feet and hands are clear of all wheels.

Tipping - Curbs

After mastering the techniques of tipping the wheelchair, use this procedure to tackle curbs, short stairs, etc.

Method 1 - Wheelchair with Step Tubes

Apply a continuous downward motion until the balance point is achieved and the front casters clear the curb. At this point, the assistant will feel a difference in the weight distribution.

Roll the wheelchair forward and slowly lower the wheelchair in one continuous movement onto the sidewalk.

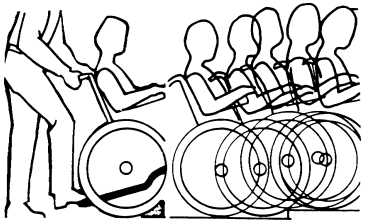


FIGURE 1 Method 1 - Wheelchair with Step Tubes

WARNING

DO NOT let the wheelchair drop the last few inches to the ground. This could result in injury to the occupant.

Push the wheelchair forward until the rear wheels roll up and over the curb.

Method 2 - Wheelchair without Step Tubes

1. Unless the first assistant has exceptional upper body strength, it is recommended that METHOD 2 use two assistants.

The second assistant should be positioned at the front of the wheelchair lifting upward on the non removable (non-detachable) part of the wheelchair frame when lifting the wheelchair and stabilizing the wheelchair when the wheelchair is being lowered to the ground.

The first assistant should stand on the sidewalk and turn the wheelchair so that the rear wheels are against the curb. The wheelchair should be tilted back to the balance point and, in one continuous downward movement, the rear wheels should be pulled up and over the curb. DO NOT return the front casters to the ground until the wheelchair has been pulled backward far enough for the front casters to clear the edge of the curb.

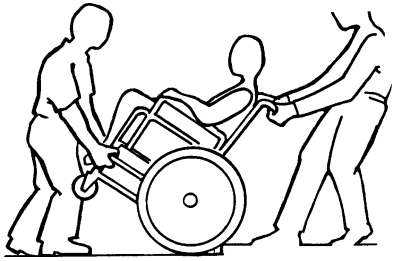


FIGURE 2 Method 2 - Wheelchair without Step Tubes

4.6 Stairways

WARNING

Extreme caution is advised when it is necessary to move an occupied or unoccupied wheelchair up or down the stairs. Invacare recommends that, if possible, the user be removed from the wheelchair prior to moving. Invacare recommends using two assistants and making thorough preparations. Make sure to use only secure, non-detachable parts for hand-held supports.

Follow this procedure for moving the wheelchair between floors when an elevator is not available:

Moving Up Stairs

1. If necessary, rotate the anti-tippers so the wheels are facing up.
2. One assistant (positioned behind the wheelchair), securely grasps a non-removable (non-detachable) part of the wheelchair for leverage and tilts the wheelchair back to the balance point.
3. After the wheelchair has been tilted back to the balance point, the assistant behind the wheelchair backs the wheelchair up against the first step.
4. The second assistant (positioned in the front of the wheelchair), with a firm hold on a non-detachable part of the framework, lifts the wheelchair up and on to the next stair above and steadies the wheelchair as the assistant behind the wheelchair places one foot on the next stair above and repeats process.
5. The wheelchair should not be lowered until the last stair has been negotiated and the wheelchair has been rolled away from the stairway.
6. If necessary, rotate the anti-tippers so the wheels are facing down.

Moving Down Stairs

1. If necessary, rotate the anti-tippers so the wheels are facing up.
2. One assistant (positioned behind the wheelchair), securely grasps a non-removable (non-detachable) part of the wheelchair for leverage and tilts the wheelchair back to the balance point.
3. After the wheelchair has been tilted back to the balance point, the assistant behind the wheelchair rolls the wheelchair up to the edge of the first step.

4. The second assistant (positioned in the front of the wheelchair), with a firm hold on a non-detachable part of the framework, lowers the wheelchair down and on to the next stair below and steadies the wheelchair as the assistant in the rear places one foot on the next stair below and repeats process.
5. The wheelchair should not be lowered until the last stair has been negotiated and the wheelchair has been rolled away from the stairway.
6. If necessary, rotate the anti-tippers so the wheels are facing down.

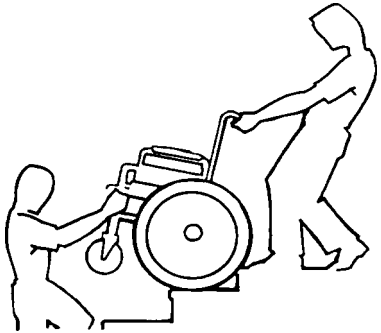


FIGURE 3 Stairways

4.7 Escalators

WARNING

DO NOT use an escalator to move a wheelchair between floors. Serious bodily injury may occur.

4.8 Transferring To and From Other Seats

WARNING

Before attempting to transfer in or out of the wheelchair, every precaution should be taken to reduce the gap distance. Align both casters parallel with the object you are transferring onto. Also be certain the wheel locks are engaged to help prevent the wheels from moving.

WARNING

Engaging the wheel locks may not prevent the wheelchair from moving on all floor surfaces including those that may be wet or slick. Always exercise caution when transferring into or out of your wheelchair.

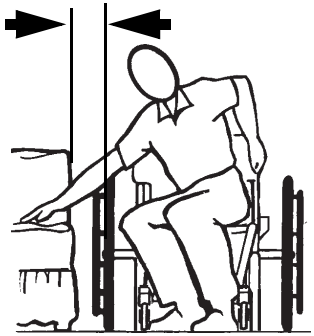
CAUTION

When transferring, position yourself as far back as possible in the seat. This will prevent damaged upholstery and the possibility of the wheelchair tipping forward.

This activity may be performed independently provided you have adequate mobility and upper body strength.

1. Position the wheelchair as close as possible along side the seat to which you are transferring, with the front casters parallel to it.
2. Engage wheel locks and fold down the wheel lock handles.
3. Remove or flip back armrests.
4. Shift body weight into seat with transfer.

Maximum Gap Distance



During independent transfer, little or no seat platform will be beneath you. Use a transfer board if at all possible.

FIGURE 4 Transferring To and From Other Seats

4.9 Percentage of Weight Distribution

WARNING

DO NOT attempt to reach objects if you have to move forward in the seat or pick them up from the floor by reaching down between your knees.

The seat height, seat depth, back angle, seat system/upholstery, caster size/position, rear wheel size, rear wheel position, correct anti-tipper as well as the end user's disability or end user's physical condition and capabilities directly relate to the stability of the wheelchair. Any change to one or any combination of the nine may cause the wheelchair to decrease in stability. These adjustments MUST be performed by a qualified technician.

WHEELCHAIRS WITH TRRO ONLY - The center of gravity is factory set. DO NOT adjust the center of gravity - otherwise injury or damage may occur. Contact Invacare for service.

Many activities require the wheelchair owner to reach, bend and transfer in and out of the wheelchair. These movements will cause a change to the normal balance, the center of gravity, and the weight distribution of the wheelchair. To determine and establish your particular safety limits, practice bending, reaching and transferring activities in several combinations in the presence of a qualified health professional before attempting active use of the wheelchair.

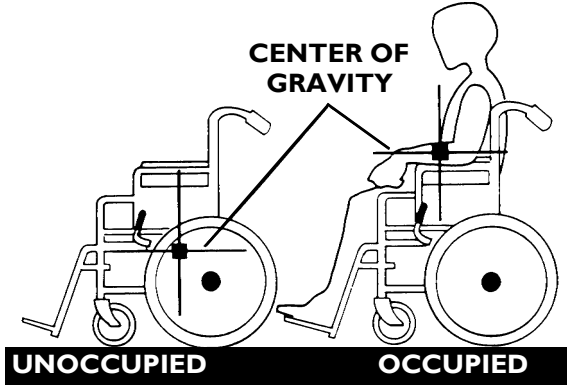


FIGURE 5 Percentage of Weight Distribution

4.10 Reaching, Leaning and Bending - Forward

Proper positioning is essential for your safety. When reaching, leaning, bending forward, it is important to use the front casters as a tool to maintain stability and balance.

WARNING

DO NOT attempt to reach objects if you have to move forward in the seat or pick them up from the floor by reaching down between your knees.

Position the front casters so that they are extended as far forward as possible and engage wheel locks.

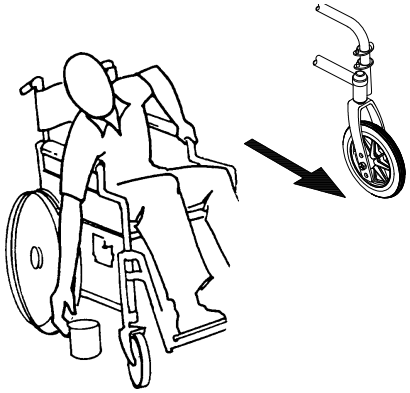


FIGURE 6 Reaching, Leaning and Bending - Forward

4.11 Reaching, Bending - Backward

WARNING

DO NOT lean over the top of the back upholstery. This will change your center of gravity and may cause you to tip over.

Keep hands and fingers clear of moving parts to avoid injury.

Position wheelchair as close as possible to the desired object. Point front casters forward to create the longest possible wheelbase. Reach back only as far as your arm will extend without changing your sitting position.

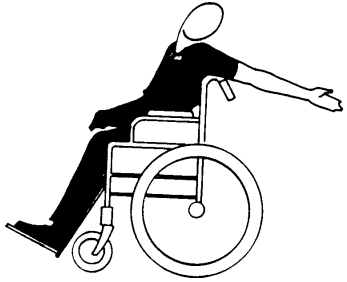


FIGURE 7 Reaching, Bending - Backward

5 Safety Inspection

Twice a year, take your wheelchair to a qualified dealer for a thorough inspection and servicing. Regular cleaning will reveal loose or worn parts and enhance the smooth operation of your wheelchair. To operate properly and safely, your wheelchair must be cared for just like any other vehicle. Routine maintenance will extend the life and efficiency of your wheelchair. Initially and at least every six months, follow these maintenance procedures.

5.1 Safety Inspection Checklists

Initial adjustments should be made to suit the personal body structure needs and preferences of the user. Thereafter follow these maintenance procedures:

Inspect/Adjust Initially

- ❑ Wheelchair rolls straight (no excessive drag or pull to one side).
- ❑ Ensure all hardware is tight.
- ❑ All fasteners on clothing guards are secure.
- ❑ Arms are secure but easy to release and adjustment levers engage properly.
- ❑ Adjustable height arms operate and lock securely.
- ❑ Armrest pad sits flush against arm tube.
- ❑ Seat and/or back upholstery have no rips.
- ❑ Inspect adjustable angle back attaching hardware is securely tightened.
- ❑ Ensure hand grips are not loose.
- ❑ Sealed bearings and axle nut tension are correct.
- ❑ No excessive side movement or binding when rear wheels are lifted and spun.
- ❑ Quick-release axles lock properly.
- ❑ Inspect handrims for signs of rough edges or peeling finish.
- ❑ Inspect for broken spokes.

- ❑ Wheel/fork assembly has proper tension when caster is spun. Caster should come to a gradual stop.

CAUTION

As with any vehicle, the wheels/casters and tires should be checked periodically for cracks, flat spots and wear, and should be replaced.

- ❑ Loosen/tighten locknut if wheel wobbles noticeably or binds to a stop.
- ❑ Wheel bearings are clean and free of moisture.
- ❑ Ensure all caster/wheel/fork/headtube fasteners are secure.
- ❑ Wheel locks do not interfere with tires when rolling.
- ❑ Wheel lock pivot point are free of wear and looseness.
- ❑ Wheel locks are easy to engage.
- ❑ Inspect tires/casters for flat spots and wear.
- ❑ Check pneumatic tires for proper inflation (recommended tire pressure is listed on the side wall of the tire).

CAUTION

DO NOT use WD-40® , 3-in-1 Oil® , or other penetrating lubricants on quick-release axles. Otherwise, binding and/or damage to the wheelchair may occur.

- ❑ Clean quick-release axles with a Teflon® lubricant.
- ❑ Ensure axles are free from dirt, lint, etc.
- ❑ Ensure roller bearings are free from dirt, lint, etc.
- ❑ Adjust wheel locks as tires wear.
- ❑ Clean and wax all parts.
- ❑ Clean upholstery and armrests with mild soap and water.
- ❑ Ensure casters are free of debris.
- ❑ Clean upholstery and armrests with mild soap and water.
- ❑ Check that all labels are present and legible. Replace if necessary.

5 SAFETY INSPECTION

Inspect/Adjust Weekly

- ❑ Wheelchair rolls straight (no excessive drag or pull to one side).
- ❑ Quick-release axles lock properly.
- ❑ Inspect for broken spokes.
- ❑ Wheel/fork assembly has proper tension when caster is spun. Caster should come to a gradual stop.
- ❑ Inspect tires/casters for flat spots and wear.
- ❑ Check pneumatic tires for proper inflation (recommended tire pressure is listed on the side wall of the tire).
- ❑ Ensure casters are free of debris.

Inspect/Adjust Monthly

- ❑ Inspect seat positioning strap for any signs of wear. Ensure buckle latches. Verify hardware that attaches strap to frame is secure and undamaged. Replace if necessary.
- ❑ Loosen/tighten locknut if wheel wobbles noticeably or binds to a stop.
- ❑ Wheel bearings are clean and free of moisture.
- ❑ Wheel locks do not interfere with tires when rolling.
- ❑ Wheel lock pivot point are free of wear and looseness.
- ❑ Ensure all caster/wheel/fork/headtube fasteners are secure.
- ❑ Ensure all hardware is tight.
- ❑ Ensure hand grips are not loose.
- ❑ Ensure casters are free of debris.
- ❑ For 80° and 90° front riggings, check the mounting pin for excessive wear or damage. Replace mounting pin if worn or damaged.
- ❑ Inspect front rigging mounting pin and hardware. Specifically, inspect the mounting screw that secures the mounting pin to the front rigging. Tighten mounting screw if loose.

Inspect/Adjust Periodically

- ❑ Wheelchair rolls straight (no excessive drag or pull to one side).
- ❑ Arms are secure but easy to release and adjustment levers engage properly.

- ❑ Adjustable height arms operate and lock securely.
- ❑ Armrest pad sits flush against arm tube.
- ❑ All fasteners on clothing guards are secure.
- ❑ Seat and/or back upholstery have no rips.
- ❑ Inspect adjustable angle back attaching hardware is securely tightened.
- ❑ No excessive side movement or binding when rear wheels are lifted and spun.
- ❑ Inspect handrims for signs of rough edges or peeling finish.
- ❑ Inspect tires/casters for flat spots and wear.
- ❑ Check pneumatic tires for proper inflation (recommended tire pressure is listed on the side wall of the tire).
- ❑ Wheel lock pivot point are free of wear and looseness.
- ❑ Clean upholstery and armrests with mild soap and water.
- ❑ Sealed bearings and axle nut tension are correct.
- ❑ Wheel/fork assembly has proper tension when caster is spun. Caster should come to a gradual stop.
- ❑ Loosen/tighten locknut if wheel wobbles noticeably or binds to a stop.
- ❑ Wheel bearings are clean and free of moisture.
- ❑ Wheel locks are easy to engage.
- ❑ Clean quick-release axles with a Teflon lubricant.
- ❑ Ensure axles are free from dirt, lint, etc.
- ❑ Ensure roller bearings are free from dirt, lint, etc.
- ❑ Adjust wheel locks as tires wear.
- ❑ Clean and wax all parts.
- ❑ Ensure casters are free of debris.
- ❑ Clean upholstery and armrests with mild soap and water.
- ❑ Check that all labels are present and legible. Replace if necessary.

6 Wheelchair Operation

6.1 Unfolding and Folding Wheelchair

WARNING

ALWAYS keep hands and fingers clear of moving parts to avoid injury.

DO NOT place hand or fingers on the underside of the seat rail when opening or closing the wheelchair.

DO NOT sit or transfer into the wheelchair unless it is fully open and the seat rails are fully seated into the side frame H-blocks.

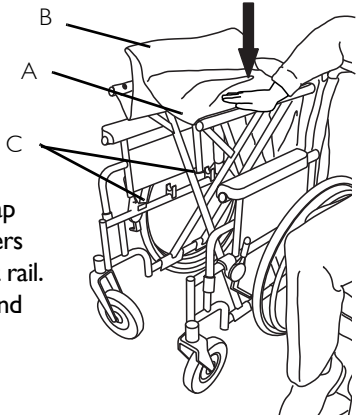
Unfolding the Wheelchair

1. Tilt the wheelchair toward you (raising the opposite wheel and caster off the ground/floor).
2. Place your hand on the top of the seat rail (A) closest to you where the seat upholstery (B) is attached.
3. Point your fingers and thumb to the inside of the wheelchair.
4. Press downward on the top of the seat rail until the wheelchair is fully open and the seat rails are fully seated in the H-blocks (C).

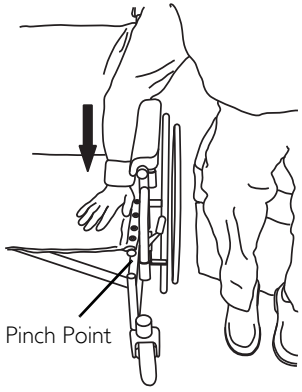
WARNING

Pinch point may occur at the point where the seat rail contacts the H-block.

5. Engage both wheel locks, open the footrest/legrest for clearance and transfer into the wheelchair.
6. For models equipped with push handles, refer to Securing the Optional Push Handle on page 38.



DO NOT wrap thumb or fingers under the seat rail. Point fingers and thumb to the inside of the wheelchair.



Press down on the seat rail and the seat upholstery with the entire hand. DO NOT place any part of the hand under the seat rail.

FIGURE 1 Unfolding the Wheelchair

Folding the Wheelchair

1. If equipped with optional push handles, refer to Placing the Optional Push Handle in the Storage Position on page 41.
2. Remove the footrests. Refer to Installing/Removing Front Riggings on page 44 or Refer to Installing/Removing Elevating Legrests on page 47.
3. With both hands, grasp the middle of the seat upholstery (A) at the front and back edge and lift up.

CAUTION

DO NOT allow upholstery to hang between the cross braces.

4. Place excess seat upholstery over the armrest.

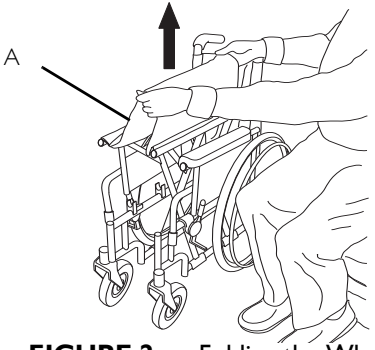


FIGURE 2 Folding the Wheelchair

6.2 Securing the Optional Push Handle

MyOn Jr

The wheelchair is shipped with push handle in storage position.

1. Unfold the chair. Refer to Unfolding and Folding Wheelchair on page 36.
2. Remove the lever (A) by turning counter clockwise.
3. Rotate the push handle bar (B) to horizontal position.

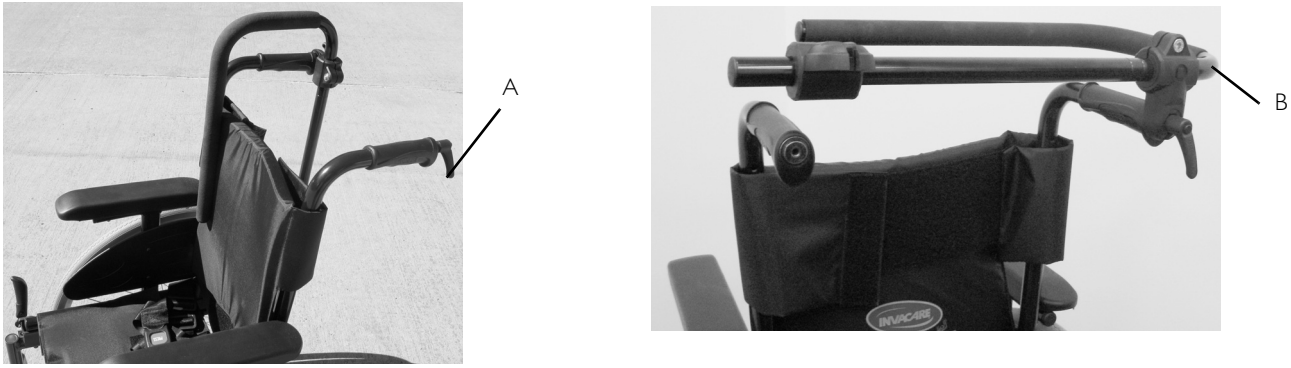


FIGURE 3 Securing the Optional Push Handle - MyOn Jr

4. Rotate the push handle bar (B) to the vertical position.
5. Rotate the push handle bar (B) to approx. 45° angle.

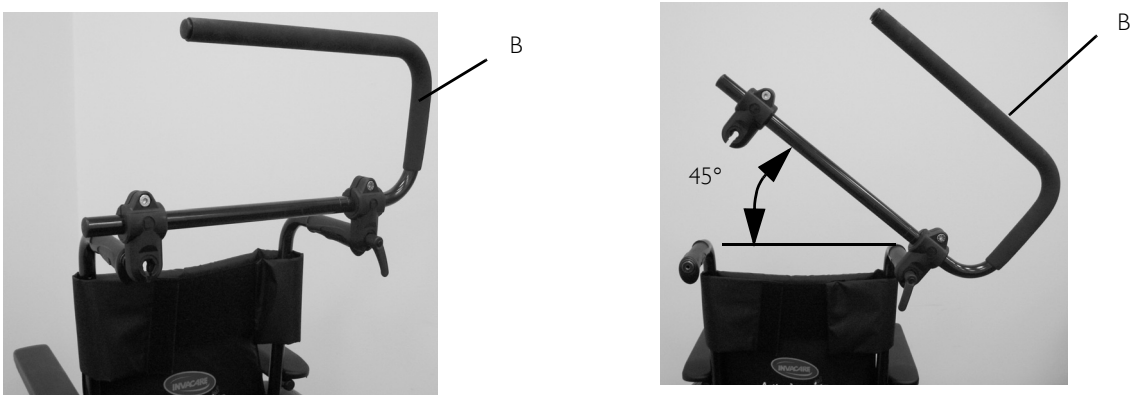


FIGURE 4 Securing the Optional Push Handle - MyOn Jr

6. Partially reinstall the lever (A) into the back cane (C) leaving some threads (D) exposed.
7. Rotate push handle (B) down until clamp (E) encompasses threads of lever.
8. Secure lever and clamp to push handle by rotating lever clockwise.

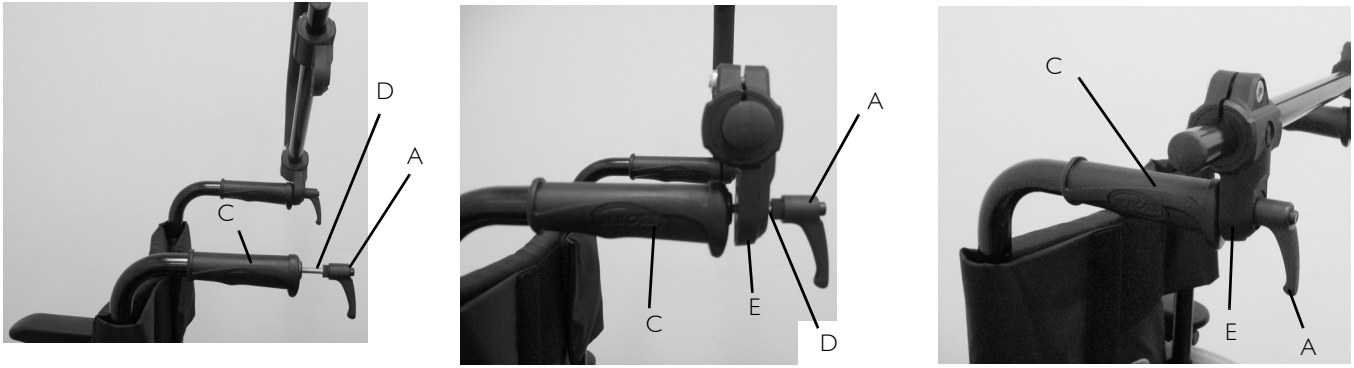


FIGURE 5 Securing the Optional Push Handle - MyOn Jr

MyOn and MyOn Heavy Duty

1. Rotate the knob (A) counter clockwise to loosen but do not remove.
2. Rotate push handle (B) toward other back cane (C) and engage knob.
3. Rotate the knob clockwise to tighten and secure push handle in place.

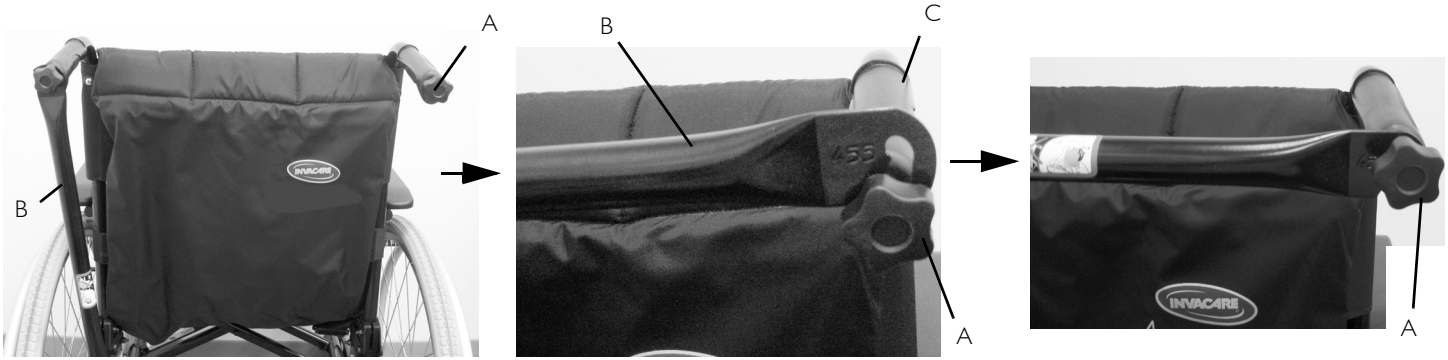


FIGURE 6 Securing the Optional Push Handle - MyOn and MyOn Heavy Duty

6.3 Placing the Optional Push Handle in the Storage Position

1. Remove the lever (A) from left hand back cane (B).
2. Rotate and swivel push handle bar (C) into storage position as shown.
3. Reinstall lever into back cane.

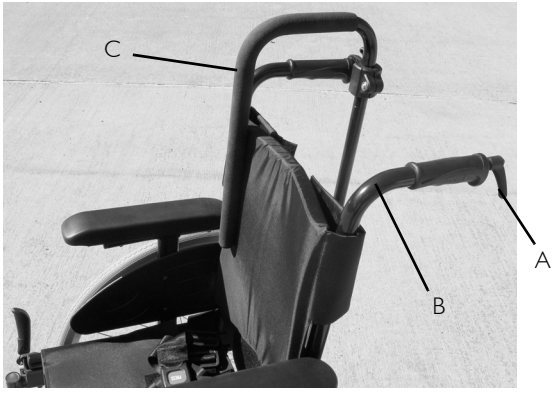


FIGURE 7 Placing the Optional Push Handle in the Storage Position

6.4 Using Wheel Locks

CAUTION

DO NOT attempt to stop a moving wheelchair with the wheel locks. Wheel locks are NOT brakes.

If wheel locks DO NOT hold the occupied wheelchair in place, contact a qualified technician - otherwise injury or damage may occur.

Push to Lock

Ensure wheelchair is not moving before engaging.

1. To engage, (from the seated position) push the wheel lock handle (A) forward until the wheel lock shoe (B) contacts the wheel (C).
2. To disengage, (from the seated position) pull the wheel lock handle (A) rearward until the wheel lock shoe (B) disengages the wheel (C).

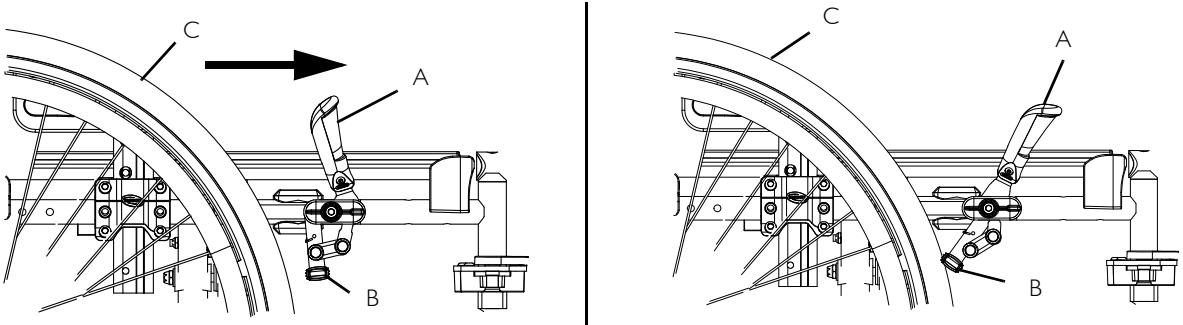


FIGURE 8 Using Wheel Locks - Push to Lock

Pull to Lock

ⓘ Ensure wheelchair is not moving before engaging.

1. To engage, (from the seated position) pull the wheel lock handle (A) rearward until the wheel lock shoe (B) contacts the wheel (C).
2. To disengage, (from the seated position) push the wheel lock handle forward until the wheel locks shoe disengages the wheel.

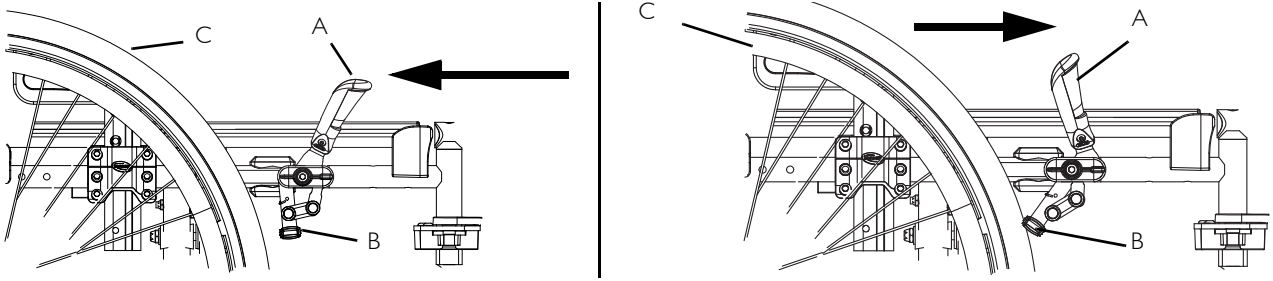


FIGURE 9 Using Wheel Locks - Pull to Lock

6.5 Folding Wheel Lock Handles

1. Pull up and back on the wheel lock handle (A).

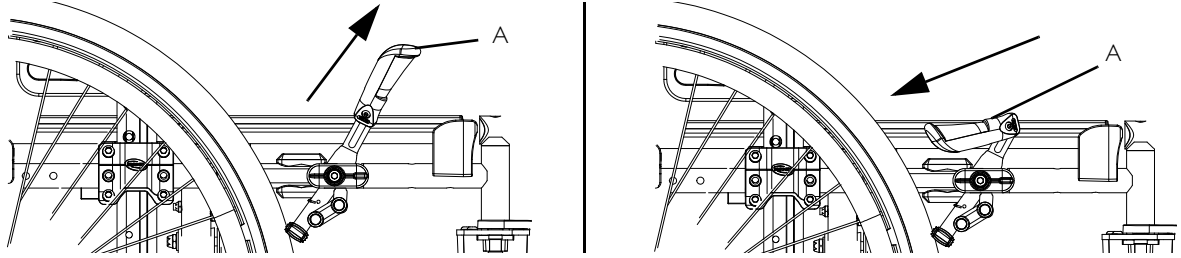


FIGURE 10 Folding Wheel Lock Handles

6.6 Installing/Removing Front Riggings

MyOn and MyOn Heavy Duty

For maintenance and/or adjustment procedures, refer to Troubleshooting and Maintenance on page 64.

Installing

1. Position the front rigging assembly (A) to the side of the wheelchair frame (B).
2. Insert footrest mounting pin (C) into mounting tube (D).
3. Rotate the front rigging assembly towards the inside of the wheelchair until it locks into place.

   The footplate will be on the inside of the wheelchair when locked in place.

4. Repeat this procedure for the other front rigging assembly.

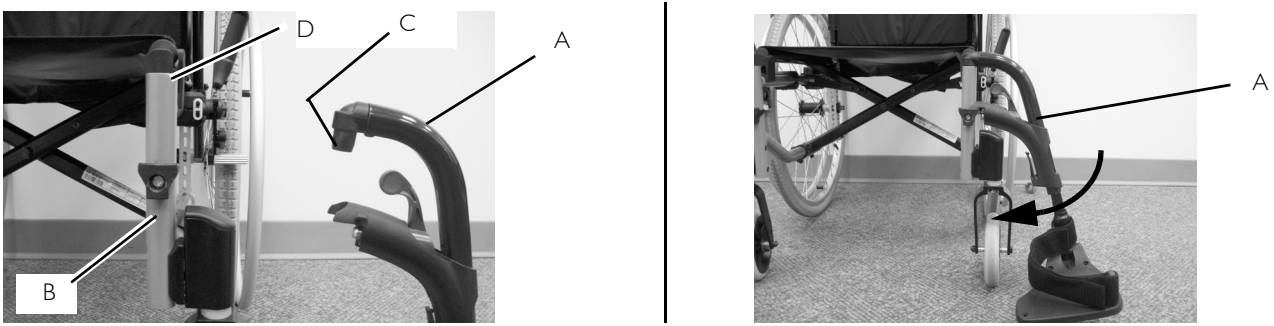


FIGURE 11 Installing/Removing Front Riggings - MyOn and MyOn Heavy Duty

Removing

1. Pull the front rigging release lever (A).
2. If desired, rotate front rigging assembly (B) outward or inward.
3. Lift the front rigging assembly off of the mounting tube (C).

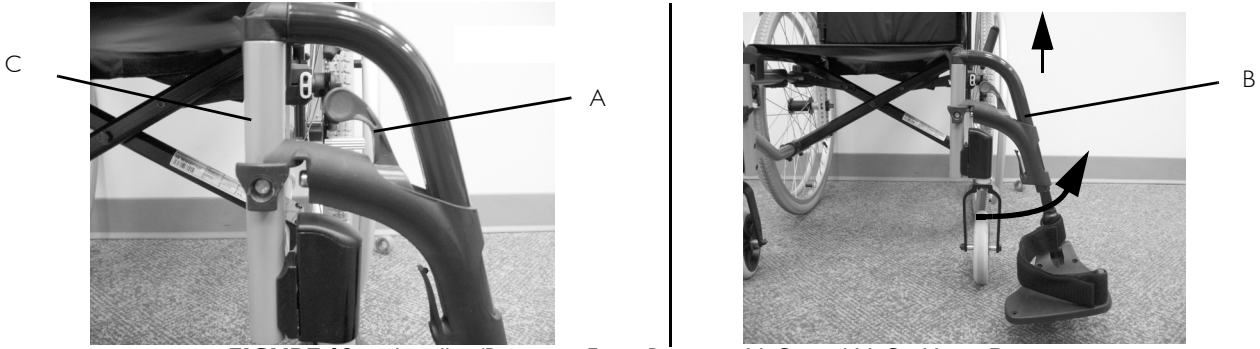


FIGURE 12 Installing/Removing Front Riggings - MyOn and MyOn Heavy Duty

MyOn JR

Installing

For maintenance and/or adjustment procedures, refer to Troubleshooting and Maintenance on page 64.

Installing

1. Position the front rigging assembly (A) to the inside of the wheelchair frame.
2. Insert footrest mounting pin (B) into mounting tube (C).
3. Rotate the front rigging assembly towards the outside of the wheelchair until it locks into place.

ⓘ The footplate will be on the inside of the wheelchair when locked in place.

4. Repeat this procedure for the other front rigging assembly.

Removing

1. Flip up both footplates (D).
2. Push in release lever (E).
3. Rotate front rigging (A) toward inside of wheelchair.
4. Lift front riggng up and off of wheelchair frame.
5. Repeat this procedure for the other front rigging assembly.

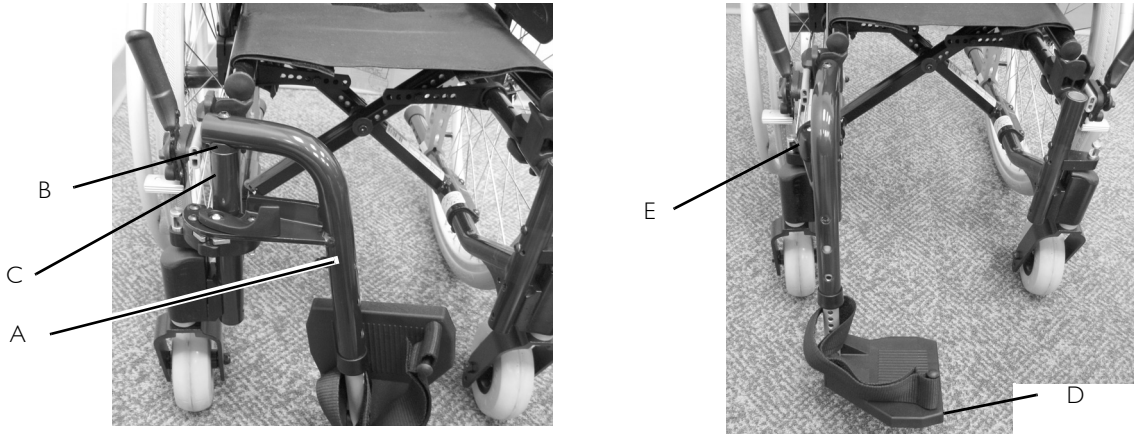


FIGURE 13 Installing/Removing Front Riggings - MyOn JR

6.7 Installing/Removing Elevating Legrests

MyOn and MyOn Heavy Duty

Installing

1. Place elevating legrest (A) on the outside of the wheelchair and insert mounting pin (B) of the legrest into the mounting tube (C) of the wheelchair.
2. Rotate elevating legrest toward the inside of the wheelchair until it locks in place.

ⓘ The calfpad (D) of the legrest will be on the inside of the wheelchair when locked in place.

3. Repeat STEPS 1-2 for the other elevating legrest assembly.

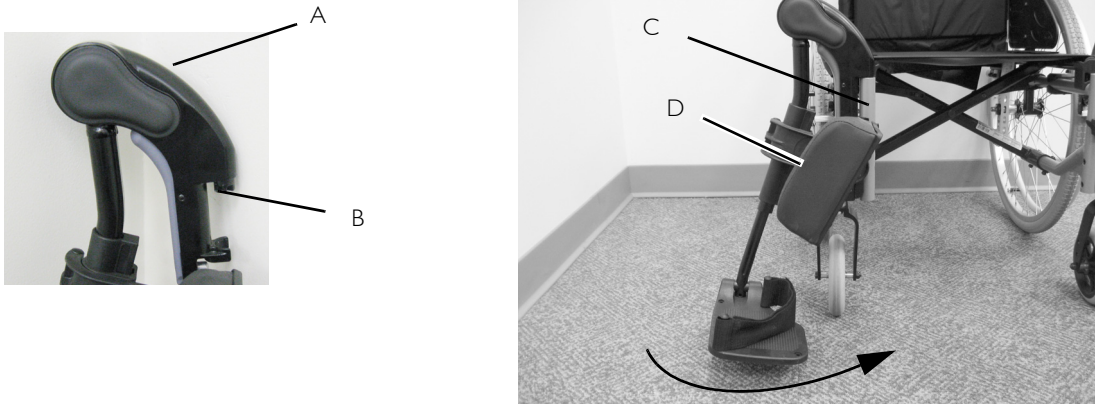


FIGURE 14 Installing/Removing Elevating Legrests - MyOn and MyOn Heavy Duty - Installing

Removing

1. Depress the legrest trigger release lever (A) and rotate the elevating legrest (B) outward.
2. Lift the elevating legrest up and out of the mounting tube (C) of the wheelchair frame.
3. Repeat STEPS 1-2 for opposite side, if necessary.

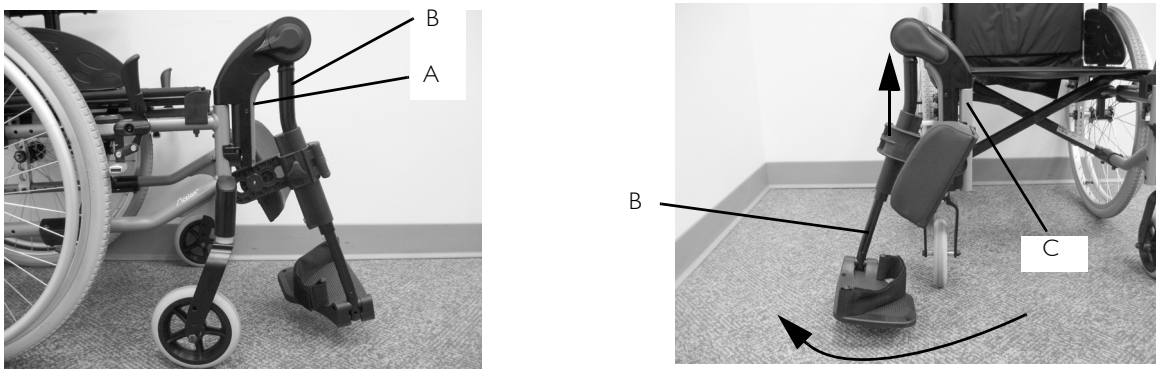


FIGURE 15 Installing/Removing Elevating Legrests - MyOn and MyOn Heavy Duty - Removing

MyOn Jr

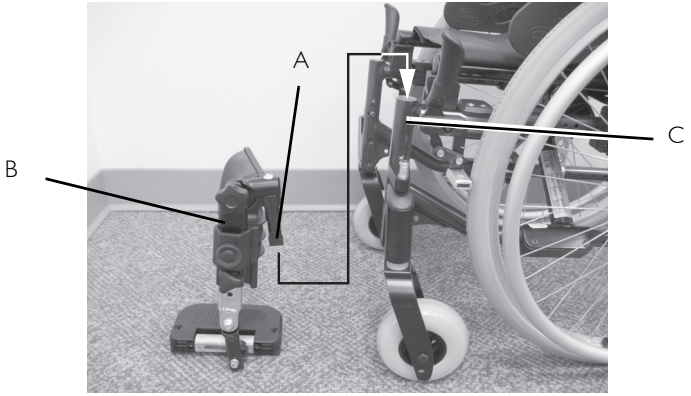
Installing

1. Insert the mounting pin (A) of the elevating legrest (B) into the mounting tube (C) on the wheelchair frame (Detail "A").
2. After the mounting pin is inserted into the mounting tube, rotate the elevating legrest side to side to ensure mounting pin is seated properly in the mounting tube (Detail "B" and "C").

Removing

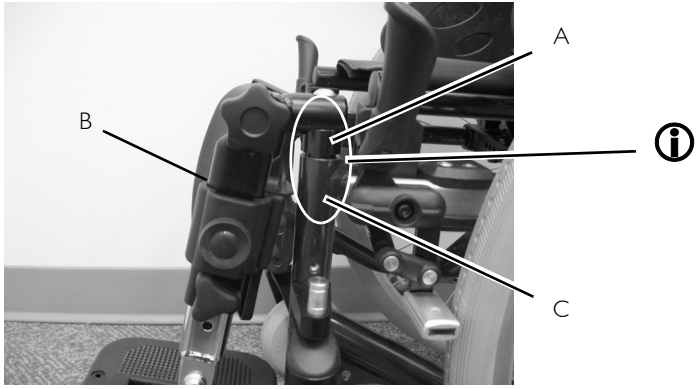
1. Lift elevating legrest up and off of wheelchair frame.

Detail "A"



Detail "B"

Detail "C"



Ensure elevating legrest is pushed all the way down into the mounting tube. Only a minimal gap should appear between mounting pin and mounting tube.

6.8 Raising/Lowering the Elevating Legrest

MyOn and MyOn Heavy Duty

1. While supporting the elevating legrest (A) with one hand, rotate angle adjustment knob (B) counter clockwise with other hand.
2. Lift or lower elevating legrest to one of seven preset angle positions (C).
3. Release angle adjustment knob and legrest will lock in place.

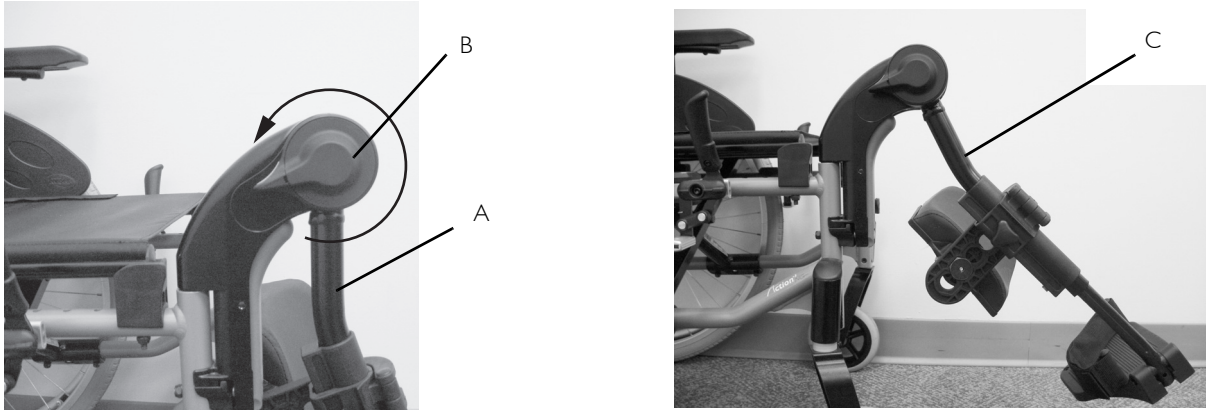


FIGURE 16 Raising/Lowering the Elevating Legrest - MyOn and MyOn Heavy Duty

MyOn Jr

1. With one hand supporting the elevating legrest (A), turn the adjustment knob (B) counterclockwise.
2. Adjust legrest Up or Down to desired position.
3. Secure the legrest in position by turning the adjustment knob clockwise.

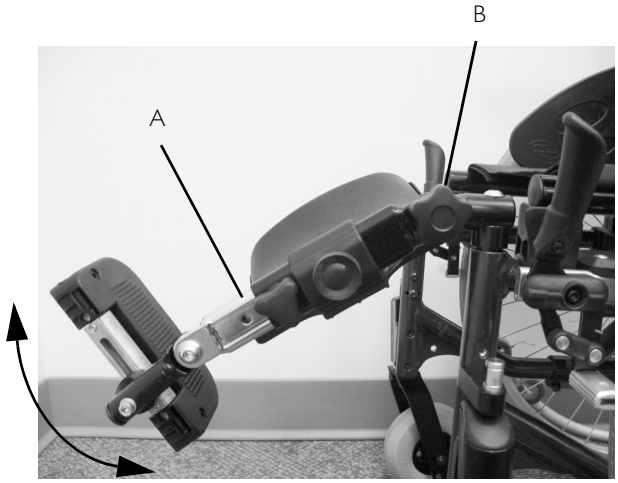


FIGURE 17 Raising/Lowering the Elevating Legrest - MyOn Jr

6.9 Using Flipback Armrest.

WARNING

Make sure the armrest release lever is in the locked position before using the wheelchair.

1. Perform one of the following:
   - For transferring - depress the button (A) and rotate the armrest (B) backward.
   - To use the armrest - rotate the armrest forward and then downward into the arm socket, ensure button protrudes fully through hole (C) in arm socket (D).

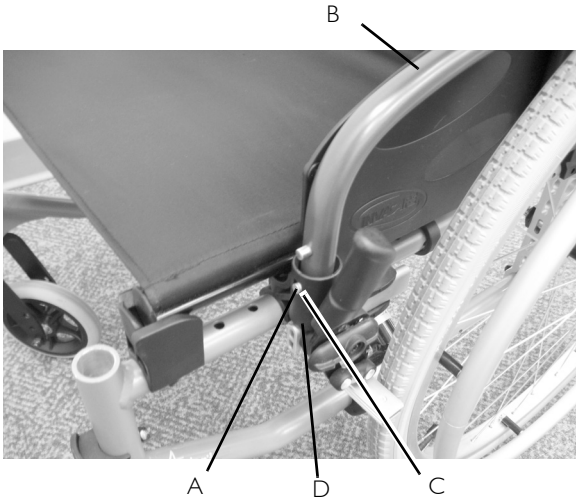


FIGURE 18 Using Flipback Armrest.

7 Transport Ready Option

WARNING

Contact Invacare Corporation (800-333-6900) with any questions about using this wheelchair for seating in a motor vehicle.

When feasible, wheelchair occupants should transfer into the vehicle seat and use the OEM (Original Equipment Manufacturer) vehicle-installed restraint system.

This wheelchair has been dynamically tested in a forward-facing mode with the specified crash test dummy restrained by BOTH pelvic and upper-torso belt(s) (shoulder belts), and that BOTH pelvic and upper torso belt(s) should be used to reduce the possibility of head and chest impacts with vehicle components.

Use ONLY Wheelchair Tie-down and Occupant Restraint Systems (WTORS) which meet the requirements of the SAE (Society of Automotive Engineers) J2249 Recommended Practice during travel in a motor vehicle.

This wheelchair has been tested for seating in a motor vehicle with the factory installed seating system only.

This wheelchair MUST be in a forward facing position during travel in a motor vehicle.

This wheelchair is equipped, and has been dynamically tested to rely on WHEELCHAIR-ANCHORED pelvic belts. If desired, VEHICLE-ANCHORED pelvic belts may be used.

7 TRANSPORT READY OPTION

WARNING

IT IS STRONGLY RECOMMENDED THAT BOTH PELVIC AND UPPER-TORSO BELT(S) BE USED TO REDUCE THE RISK OF INJURY.

To reduce the potential of injury to vehicle occupants, wheelchair-mounted accessories, including but not limited to IV poles, trays, respiratory equipment, backpacks, and other personal items should be removed and secured separately.

Postural supports, positioning devices, and/or strap(s) should NOT be relied on for occupant restraint. These items may be used IN ADDITION TO the wheelchair-anchored or vehicle-anchored belts.

Ensure quick-release pins are engaged through bearing housings and tilt slides.

DO NOT alter or substitute wheelchair frame parts, components, or seating systems.

The caster headtube and center of gravity are factory set. DO NOT adjust or replace the caster headtube or center of gravity - otherwise injury or damage may occur. Contact Invacare for service.

A sudden stop and/or collision may structurally damage your wheelchair. Wheelchairs involved in such incidents should be replaced.

Only use the transport brackets included with TRRO and TRBKTS for the purposes described in this manual.

7.1 About Transport Ready Packages

TRRO includes four factory-installed transport brackets and a wheelchair anchored pelvic belt. TRRO has been crash-tested in accordance with ANSI/RESNA WC Vol 1 Section 19 Frontal Impact Test requirements for: a) MyOn wheelchair with a 172 lb crash dummy, which corresponds to a person with a weight of 165 to 300 lbs.) MyOn Jr. wheelchair with a 130 lb crash dummy, which corresponds to a person with a weight of 125 to 165 lbs.

TRBKTS includes four factory-installed wheelchair transport brackets. TRBKTS has not been crash-tested in accordance with WC 19. Invacare recommends that these transport brackets be used only to secure an unoccupied wheelchair during transport.

As of this date, the Department of Transportation has not approved any tie-down systems for transportation of a user while in a wheelchair, in a moving vehicle of any type. It is Invacare's position that users of wheelchairs should be transferred into appropriate seating in vehicles for transportation and use be made of the restraints made available by the auto industry. Invacare cannot and does not recommend any wheelchair transportation system.

7.2 Compliance Information

This wheelchair conforms with the requirements of the ANSI/RESNA WC/Vol. 1 - Section 19 (Frontal Impact Test)

ANSI = American National Standards Institute, RESNA= Rehabilitation Engineering and Assistive Technology Society of North America.

This wheelchair has been dynamically tested in a forward-facing mode with the specified crash test dummy, which corresponds to a person **with a weight of 165-300 pounds for MyOn, 125-165 pounds for MyOn Jr.**, restrained by BOTH pelvic and shoulder belts in accordance with ANSI/RESNA WC Vol 1 Section 19. BOTH pelvic and upper torso belts should be used to reduce the possibility of head and chest impacts with vehicle components.

7.3 Specifications

Only wheelchairs which fit in the following size ranges should be occupied in a motor vehicle:12 to 22 inches wide and 12 to 22 inches deep

Weight Limit - MyOn up to 275 pounds; MyOn Jr. up to 165 pounds with TRRO option. MyOn Jr. up to 175 pounds without TRRO option.

7.4 Securing the Wheelchair to the Vehicle

Positioning the Wheelchair in the Vehicle

WARNING

This wheelchair MUST be in a forward facing position during travel in a motor vehicle.

The recommended clear zones for wheelchair seated occupants restrained by BOTH pelvic and upper torso belt(s) and ONLY by a pelvic belt are shown in the diagrams and described below.

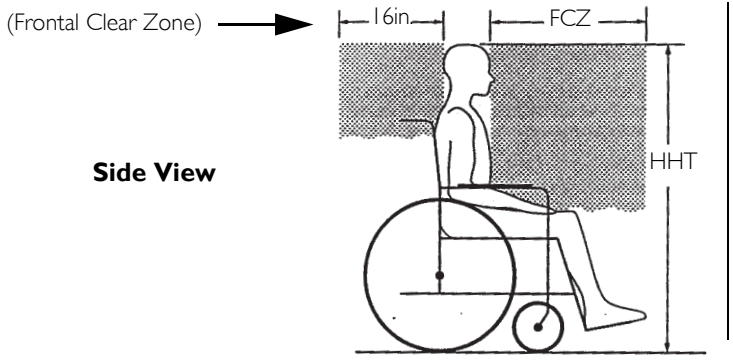
Frontal Clear Zones (FCZ) need to be LARGER when upper torso belt(s) are NOT used.

The rear clear zone of 16-inches is measured from the rearmost point on an occupant's head.

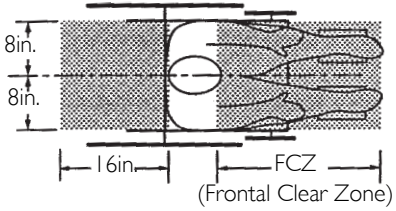
The frontal clear zone is measured from the frontmost point on an occupant's head and is 26-inches with pelvic and upper-torso belt(s) and 37-inches with ONLY a pelvic belt.

The frontal clear zone may not be achievable for wheelchair-seated drivers.

The estimated seated height (HHT) from the ground or floor to the top of the wheelchair-seated occupant's head ranges from approximately 47-inches for a small adult female to about 61-inches for a tall adult male



Side View



Top View

Securement Points

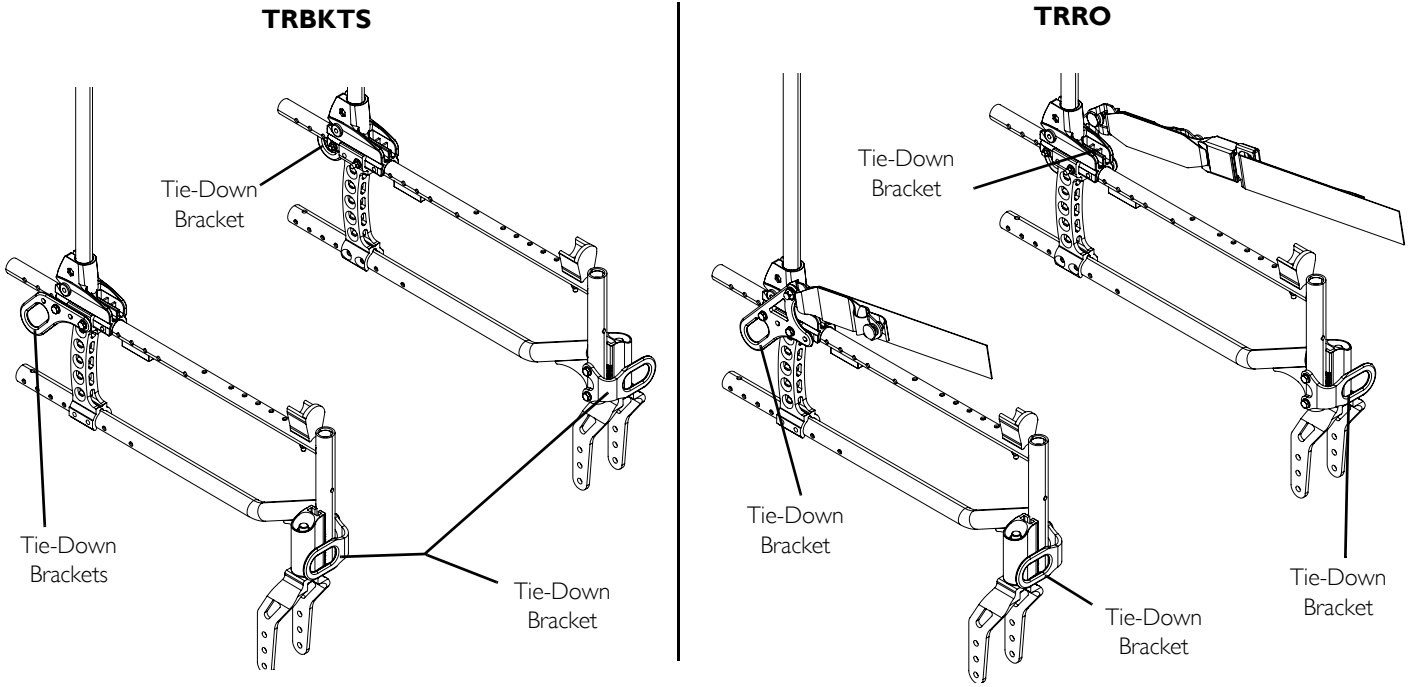


FIGURE 1 Securement Points

7 TRANSPORT READY OPTION

Securing the Wheelchair

This wheelchair is to be used only with Wheelchair Tie-down and Occupant Restraint Systems (WTORS) that have been installed in accordance with the manufacturer's instructions and SAE J2249.

A copy of SAE J2249 Wheelchair Tie-down and Occupant Restraint Systems (WTORS) for use in Motor Vehicles can be obtained from: SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, (877) 606-7232 or (724) 776-4970.

Attach WTORS to the tie-down brackets in accordance with the manufacturer's instructions and SAE J2249.

7.5 Securing the Occupant

Wheelchair-Anchored Belts

WARNING

The pelvic belt that is provided by Invacare has been tested for use in a motor vehicle on this wheelchair only. DO NOT replace the pelvic belt with a different style pelvic belt.

The wheelchair has been provided with a pelvic belt which meets the requirements of ANSI/RESNA WC/19.

The pelvic belt provided by Invacare has been designed to accommodate use on either side of the vehicle.

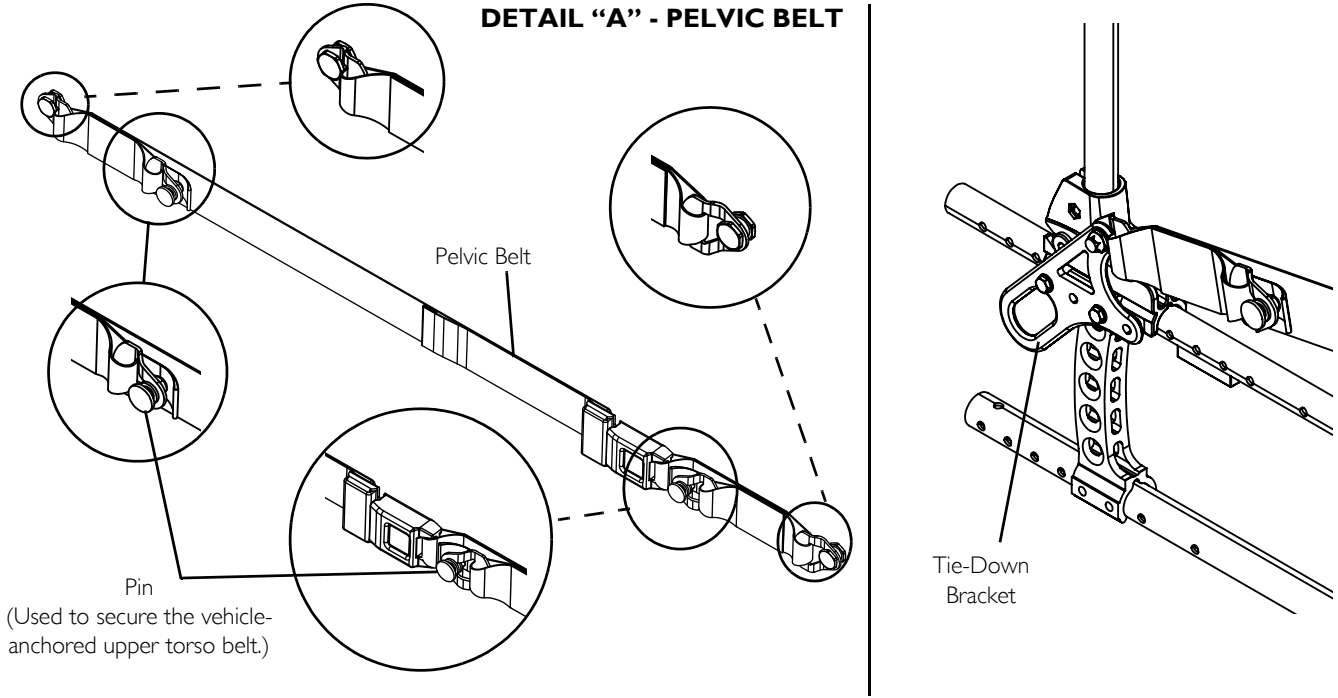


FIGURE 2 Wheelchair-Anchored Belts

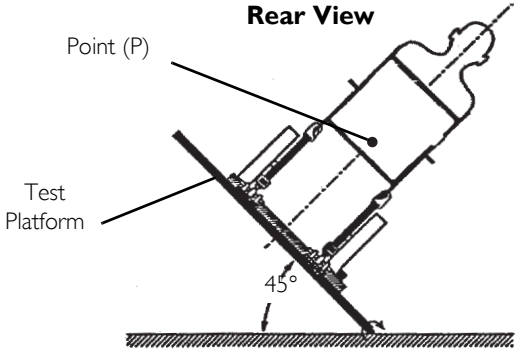
7 TRANSPORT READY OPTION

Vehicle-Anchored Belts

This wheelchair has an overall rating of "A" with regard to accommodating the use and fit of vehicle-anchored belts. This rating is scored as follows:

RATING	DESCRIPTION
A	Excellent
B	Good
C	Fair
D	Poor

The test for Lateral Stability Displacement for Point (P) is shown in FIGURE 3. The average test result for point (P) is 0.65-inches (16.5 mm).



NOTE: Rear view of wheelchair and human surrogate secured on test platform and tilted to 45 degrees.

FIGURE 3 Vehicle-Anchored Belts

Seating System

WARNING

This wheelchair has been tested for seating in a motor vehicle with the factory installed seating system only.

When feasible, wheelchair occupants should transfer into the vehicle seat and use the OEM (Original Equipment Manufacturer) vehicle-installed restraint system

Ensure that the factory installed seating system is secured to the wheelchair frame before operation. Refer to the seating system owner's manual.

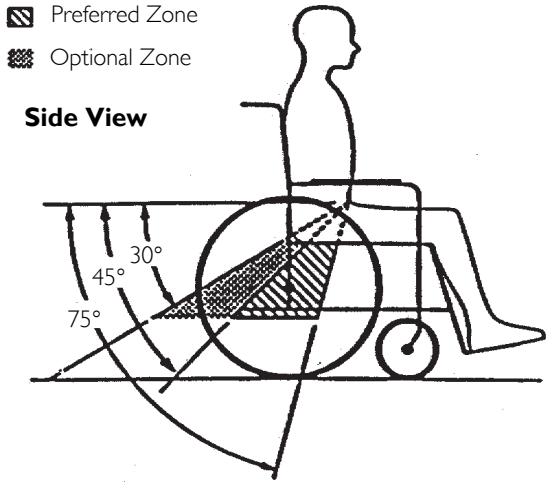
Positioning Belts

WARNING

The angle of the pelvic belt should be within the preferred zone of 45 to 75 degrees to the horizontal OR within the optional zone of 30 to 45 degrees to the horizontal.

Steeper side-view pelvic belt angles are especially important if the pelvic belt is intended to be used for postural support in addition to occupant restraint in a frontal crash. Steeper angles will reduce the tendency for a vertical gap to develop between the user and the belt due to compliance of seat cushions and belt movement, thereby reducing the tendency for the user to slip under the belt and for the belt to ride up on the soft abdomen during normal use

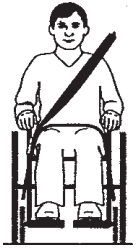
Steeper belt angles also reduce the tendency for upper-torso belts to pull the pelvic belt onto the abdomen during frontal impact loading.



7 TRANSPORT READY OPTION

1. The pelvic belt should be worn low across the front of the pelvis.
2. Position the upper torso belt(s) over the shoulders.
3. The belt(s) should not be held away from the body by wheelchair components or parts, including but not limited to wheelchair armrests or wheels. Refer to FIGURE 4 for proper and improper positioning of the belts.
4. Ensure the belt(s) are not be twisted.
5. Adjust belts as firmly as possible, being mindful of user comfort.

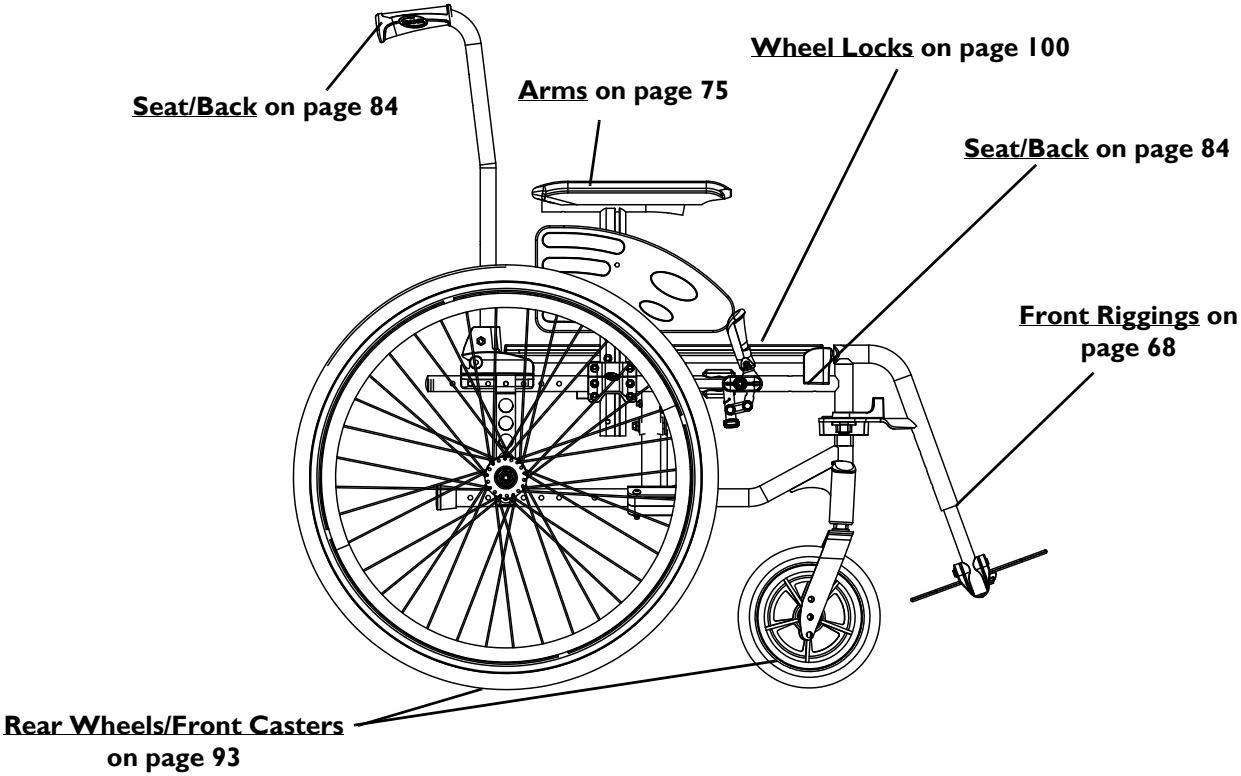
DO position belts INSIDE of armrests, wheels, etc.



DO NOT position belts OUTSIDE of armrests, wheels, etc.

FIGURE 4 Positioning Belts

MAINTENANCE AND ADJUSTMENT SECTIONS


Seat/Back on page 84
Arms on page 75
Wheel Locks on page 100
Seat/Back on page 84
Front Riggings on page 68
Rear Wheels/Front Casters on page 93

9 Troubleshooting and Maintenance

Twice a year, take your wheelchair to a qualified dealer for a thorough inspection and servicing. Regular cleaning will reveal loose or worn parts and enhance the smooth operation of your wheelchair. To operate properly and safely, your wheelchair must be cared for just like any other vehicle. Routine maintenance will extend the life and efficiency of your wheelchair. Initially and at least every six months, follow these maintenance procedures:

9.1 Troubleshooting

CHAIR VEERS LEFT/RIGHT	SLUGGISH TURN/PERFORMANCE	CASTERS FLUTTER	SQUEAKS AND RATTLES	LOOSENESS IN CHAIR	CHAIR 3 WHEELS	SOLUTIONS
X	X	X			X	If pneumatic tires, check for correct and equal pressure.
	X	X	X	X		Check for loose stem nuts/bolts.
X	X	X				Check caster angle adjustment.
X		X				Check that casters contact ground at the same time.

9.2 Maintenance

Maintenance Safety Precautions

WARNING

After ANY adjustments, repair or service and before use, make sure all attaching hardware is tightened securely - otherwise injury or damage may occur.

CAUTION

DO NOT overtighten hardware attaching to the frame. This could cause damage to the frame tubing.

Suggested Maintenance Procedures

1. Before using your wheelchair, make sure all nuts and bolts are tight. Check all parts for damage or wear and replace. Check all parts for proper adjustment.
2. Keep quick/quad-release axles free of dirt and lint to ensure positive locking and proper operation. Refer to Adjusting Quick-Release Axles on page 95.

WARNING

DO NOT use WD-40, 3-in-1 oil, or other penetrating lubricants on quick-release axles. Otherwise, binding and/or damage to the wheelchair may occur.

3. Clean quick-release axles once a week with a Teflon lubricant.

WARNING

DO NOT use your wheelchair unless it has the proper tire pressure (p.s.i.).

DO NOT overinflate the tires. Failure to follow these suggestions may cause the tire to explode and cause bodily harm. The recommended tire pressure is on the sidewall of the tire.

4. Recommended tire pressure is listed on the sidewall of the tire.

CAUTION

As with any vehicle, the wheels and tires should be checked periodically for cracks and wear, and should be replaced if damaged.

5. The wheels, casters, and tires should be checked periodically for cracks and wear, and should be replaced when necessary. Contact a qualified technician or Invacare customer support at the telephone numbers on the back of this manual.
6. Periodically adjust wheel locks in correlation to tire wear. Refer to Adjusting Anti-Tippers on page 104.

Tire wear is excessive if:

- Pneumatic Tires - there is missing tread or the tires are bald.
- Urethane Tires - there are cuts, surface defects or the tires are loose on the rims.
- Rubber Tires - 30% or more of the tire has worn away.

Invacare recommends that rear wheel tire/tube and caster tire/tube be replaced every five years.

7. Regularly check for loose spokes in the rear wheels. If loose, have them adjusted. Contact a qualified technician or Invacare customer support at the telephone numbers on the back of this manual.
8. Periodically check handrims to ensure they are secured to the rear wheels. Refer to Replacing Handrims on page 96.
9. Periodically check caster wheel bearings to make sure they are clean and free from moisture. Use a Teflon® lubricant if necessary.

WARNING

When cleaning rear cane or hand grip areas use only a clean towel lightly dampened with cool water. Verify that grips are dry prior to use. Use of soap or ammonia based cleaning solutions will result in the hand grips sliding off the cane assembly. Failure to observe this warning may result in injury to the user or bystanders.

10. Hand grips should be checked monthly for wear/looseness/deterioration. Clean if desired. Replace if looseness or deterioration is found.
11. On a monthly basis, for the 80° and 90° front riggings, check the mounting pin for excessive wear or damage. Replace mounting pin if worn or damaged.
12. Inspect front rigging mounting pin and hardware. Specifically, inspect the mounting screw that secures the mounting pin to the front rigging. Tighten if mounting screw is loose.

13. Check upholstery for sagging, rips or tears.
14. Clean upholstery with mild soap and water.

Replacing/Repairing Rear Wheel Tire/Tube

WARNING

Replacement of solid urethane tires is not recommended. If the solid urethane tire needs repaired, Invacare recommends replacing the complete wheel assembly.

Replacement of rear wheel tube must be performed by a qualified technician.

Replacing/Repairing Caster Tire/Tube

WARNING

Replacement of solid urethane or semi-pneumatic tires is not recommended. If the solid urethane or semi-pneumatic tires need replaced, Invacare recommends replacing complete caster assembly.

For pneumatic tires, replacement of the tube must be performed by a qualified technician.

9.3 Transporting the Wheelchair

1. Remove the seating system. Refer to the seating system Owner's Manual for installation and removal of the seating system.
2. Remove the footrests. Refer to Adjusting Footrest Height on page 68.
3. Remove the rear wheels. Refer to Removing/Installing Rear Wheels on page 93.
4. Remove the armrests. Refer to Arms on page 75.

10 Front Riggings

WARNING

After any adjustments, repair or service and before use, make sure all attaching hardware is tightened securely - otherwise injury or damage may occur.

10.1 Adjusting Footrest Height

MyOn and MyOn Heavy Duty

1. Loosen the mounting screw (A).
2. Adjust the footrest (B) to the desired height.
3. Securely tighten mounting screw after adjustment.
4. If necessary, repeat STEPS 2-4 to adjust remaining footrest.

FIGURE 1 Adjusting Footrest Height - MyOn and MyOn Heavy Duty

MyOn Jr

1. Rotate adjustment knob (A) on the elevating legrest (B) counter-clockwise to loosen.
2. Adjust footrest (C) to desired height.
3. Rotate adjustment knob clockwise to tighten and secure in place.

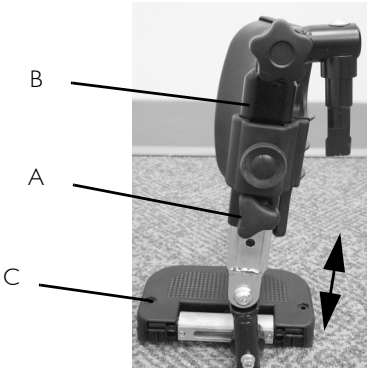


FIGURE 2 Adjusting Footrest Height - MyOn Jr

10.2 Replacing Heel Loop Strap

1. Disconnect the hook portion of the heel loop strap (A) from the loop portion of the heel loop strap.
2. Remove the heel loop strap from around the lower footrest (B).
3. Remove the mounting screw (C) and mounting pin (D).
4. Secure new heel loop strap on footplate with mounting screw and mounting pin.
5. Wrap heel loop strap around lower footrest.
6. Attach hook portion of the heel loop strap to the loop portion of the heel loop strap.

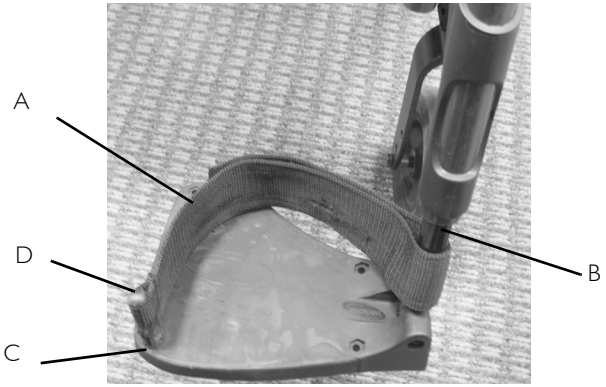


FIGURE 3 Replacing Heel Loop Strap

10.3 Installing Impact Guards/Calf Strap

1. Remove impact guard (A)/calf strap (B) from packaged container if not already secured to the front rigging (C).
2. Secure the impact guards around the front rigging.
3. Secure the optional calf strap around the footrest frame (with the impact guards attached).

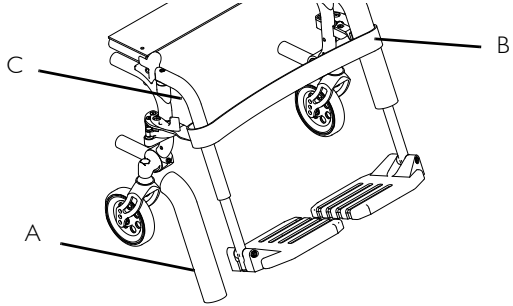


FIGURE 4 Installing Impact Guards/Calf Strap

10.4 Adjusting Elevating Legrest Calfpad Height and Depth

Adjusting Calfpad Height

1. Loosen the adjustment knob (A) that secures the calfpad bracket (B) to the elevating legrest assembly (C).
2. Adjust the calfpad bracket up or down to desired height.
3. Securely tighten the adjustment knob.
4. If necessary, repeat STEPS 1-3 to adjust remaining calfpad bracket.

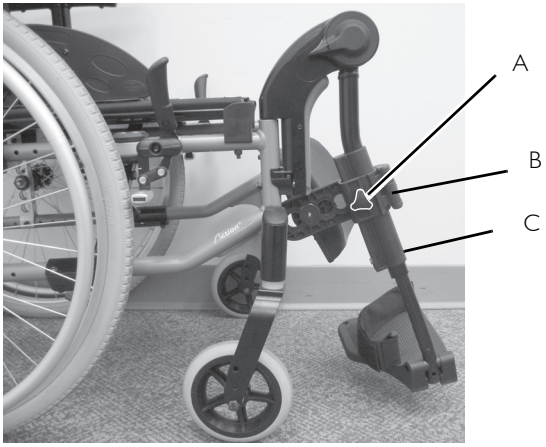


FIGURE 5 Adjusting Calfpad Height

Adjusting Calfpad Depth

1. Remove the mounting screw (A), washer (B), and locknut (C) that secure the calfpad (D) to the calfpad bracket (E).
2. Secure the calfpad to one of four depth adjustment holes (F) using the mounting screw, washer and locknut. Tighten securely.
3. If necessary, repeat STEPS 1-3 to adjust remaining calfpad assembly.

Depth adjustment is only available on MyOn and MyOn Heavy Duty.

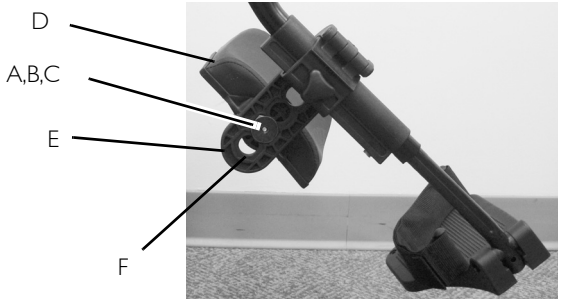


FIGURE 6 Adjusting Calfpad Depth

10.5 Replacing Mounting Pin on 80° and 90° Front Rigging

1. Remove the front rigging (A) from wheelchair (B).Refer to Installing/Removing Front Riggings on page 44.
2. Remove mounting screw (C) that secures the mounting pin (D) to the front rigging (A).
3. Remove mounting pin (D) from front rigging (A).
4. Install new mounting pin (D) into front rigging (A).
5. Secure new mounting pin (D) to front rigging (A) with mounting screw (C). Securely tighten.
6. Install front rigging (A) onto wheelchair (B). Refer to Installing/Removing Front Riggings on page 44.

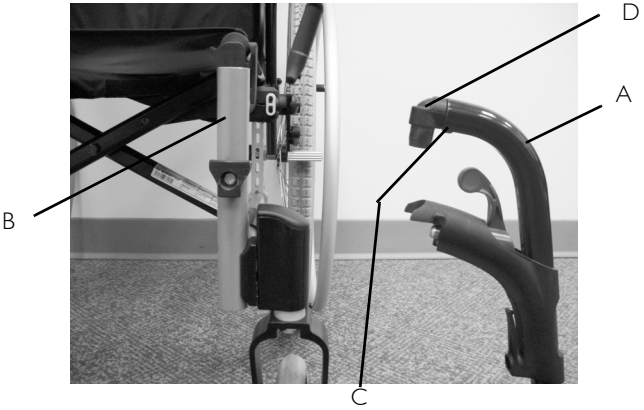


FIGURE 7 Replacing Mounting Pin on 80° and 90° Front Rigging

10.6 Installing Adjustable Angle Flip-Up Footplate Hinge

1. Position the adjustable angle flip-up footplate hinge (A) on the footrest support tube (B) at the desired height.
2. Secure the footplate hinge and insert tube (C) to the footrest tube (B) with mounting screw (D), coved washers (E) and locknut (F).
3. Flip the footplate hinge to the up position.
4. The footplate hinge will fall to the down position.
5. Tighten the mounting screw (D) and locknut (F) that secure the footplate hinge (A) to the footrest tube (B) until the footplate hinge remains in the up position.
6. Check the up and down motion of the footplate hinge to make sure the user of the wheelchair can operate the footplates easily.
7. If the footplate's motion is:
   - too tight, loosen the socket screw and locknut approximately $^{1}/_{4}$ turn.
   - too loose, tighten the socket screw and locknut approximately $^{1}/_{4}$ turn.

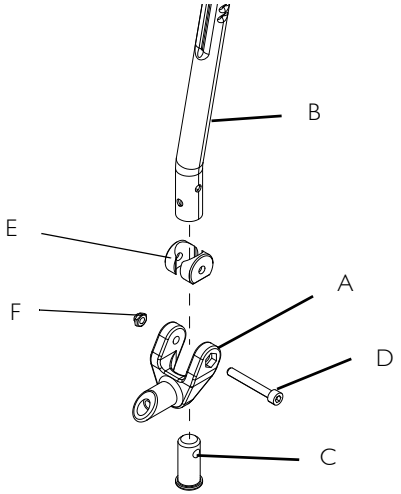


FIGURE 8 Installing Adjustable Angle Flip-Up Footplate Hinge

10.7 Adjusting Adjustable Angle Flip-Up Footplates

WARNING

When determining the angle of the footplates, make sure the rear of the footplates DO NOT interfere with the movement of the front casters. Otherwise, injury or damage may occur.

Depth Adjustment

1. Remove the two flat screws (A) and locknuts (B) that secure footplate (C) to the half clamp (D).

   Observe the angle of the footplate for reinstallation.

2. Move the footplate to one of four mounting positions.

   If desired depth is still not obtained, rotate the half clamp on the footplate hinge 180°.

3. Retighten the two flat screws and locknuts.

   The setting for positioning the footplate on the half clamp may vary for each footplate.

4. Repeat STEPS 1-3 for opposite footplate, if desired.

Angle Adjustment

1. Loosen, but DO NOT remove the adjustment screw (E) in the half clamp (D).
2. Position the footplate (C) to the necessary angle to accommodate the user (Detail “A”).
3. Retighten the adjustment screw. Torque to over 90 in-lbs, but no more than 300 in-lbs.
4. Repeat STEPS 1-3 for opposite footplate, if desired.
5. Screw in or out until the adjustable angle flip-up footplate is perpendicular to the footrest assembly or the desired inversion/eversion is obtained.

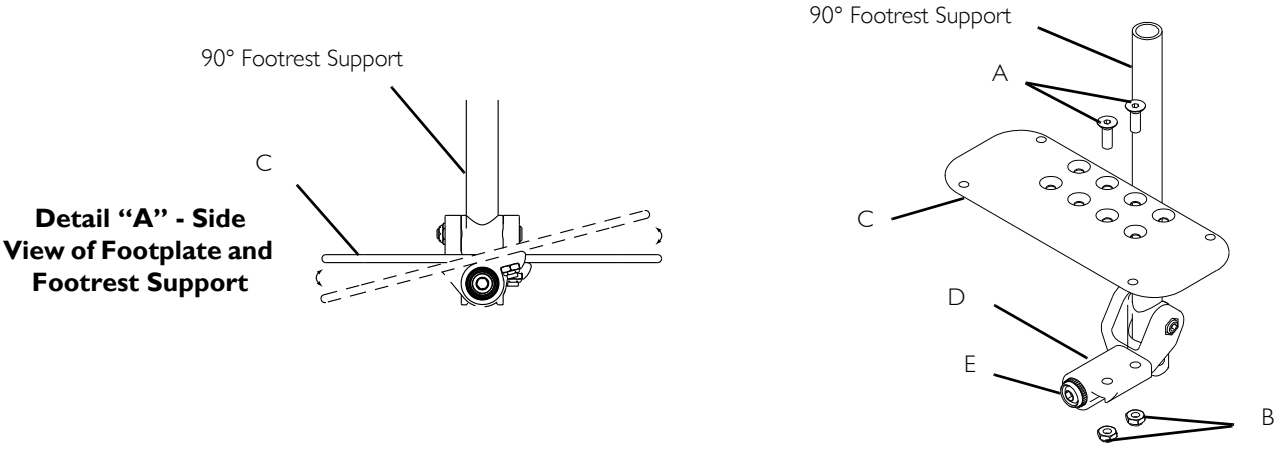


FIGURE 9 Adjusting Adjustable Angle Flip-Up Footplates

11 Arms

WARNING

After any adjustments, repair or service and before use, make sure all attaching hardware is tightened securely - otherwise injury or damage may occur.

11.1 Removing/Installing and Adjusting T-Arms

Removing/Installing T-Arms

Install

1. Align the T-arm (A) with the socket (B) in the T-arm bracket (C).
2. Lower the T-arm into the T-arm bracket until the height adjustment screw rests on the top of the T-arm bracket.

Remove

1. Raise the T-arm (A) up and out of the T-arm bracket (C).

Adjusting T-Arm Height

1. Remove the T-arm. Refer to Removing/Installing T-Arms on page 75.
2. Remove the height adjustment screw (A) and locknut (B).

CAUTION

When performing STEP 3, DO NOT overtighten adjustment screw, tighten only to 50 inch pounds of torque. Otherwise, damage to the product will occur.

3. Secure the height adjustment screw and locknut in one of the three height adjustment holes (C). Tighten to 50 inch pounds of torque.
4. Reinstall the T-arm. Refer to Removing/Installing T-Arms on page 75.

5. After re-installing the T-arm, ensure the adjustment nut does not interfere with the wheel spokes. If interference occurs, loosen adjustment nut and refer to STEP 3.

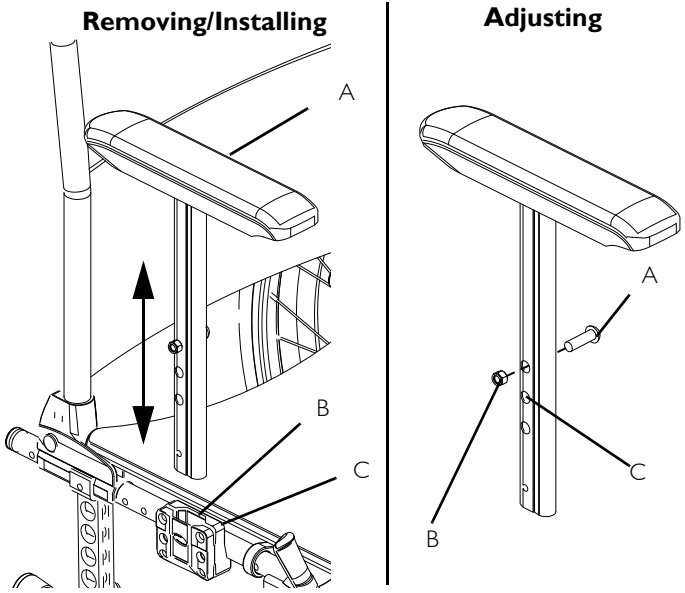


FIGURE 1 Removing/Installing and Adjusting T-Arms

11.2 Removing/Installing Flipback Armrests

Removing Flip Back Armrest

1. Place armrest (A) in position for transferring. Refer to Using Flipback Armrest. on page 51.

WARNING

When performing STEP 2, ensure to pull straight back, otherwise damage to retaining washer (B) may occur.

2. Pull bottom of armrest straight back toward rear of wheelchair and disengage arm clip (C) from bushing (D) as you rotate arm forward.

Rotating the arm forward will make it easier to remove.

Installing Flip Back Armrest

1. Align arm clip (C) with bushing (D).

WARNING

When performing STEP 2, ensure to push straight forward, otherwise damage to retaining washer (B) may occur.

2. Push bottom of armrest forward onto bushing until armrest locks in place.
3. Place armrest in position for using. Refer to Using Flipback Armrest. on page 51.

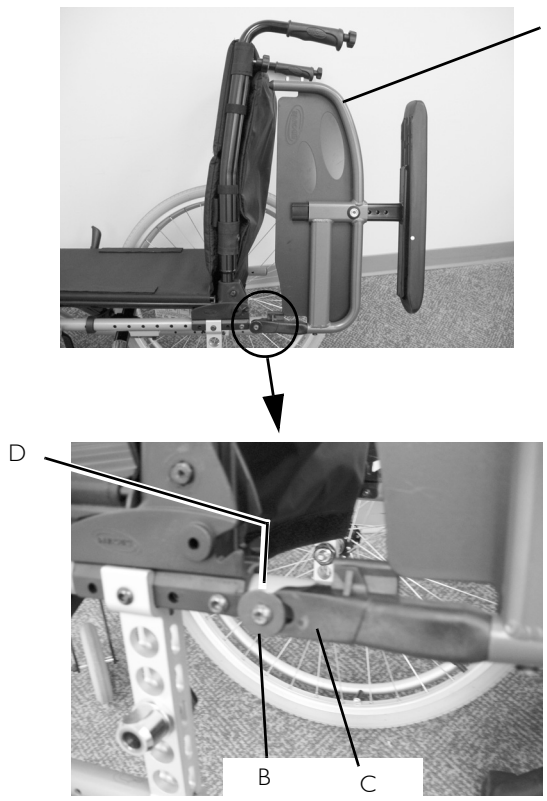


FIGURE 2 Removing/Installing Flipback Armrests

11.3 Adjusting the Height and Depth of the Flip Back Arms

This procedure cannot be performed on non adjustable height flip back arms

Adjusting Height

1. Remove the flip back armrest (A) from the wheelchair. Refer to Removing/Installing Flipback Armrests on page 77.
2. Loosen the mounting screw (B).
3. Adjust armrest (C) to desired height based upon preset adjustment holes (C).
4. Tighten mounting screw.

Adjusting Depth

1. Loosen the two mounting screws (D).
2. Slide armrest pad (E) to desired depth.
3. Retighten mountings screws.

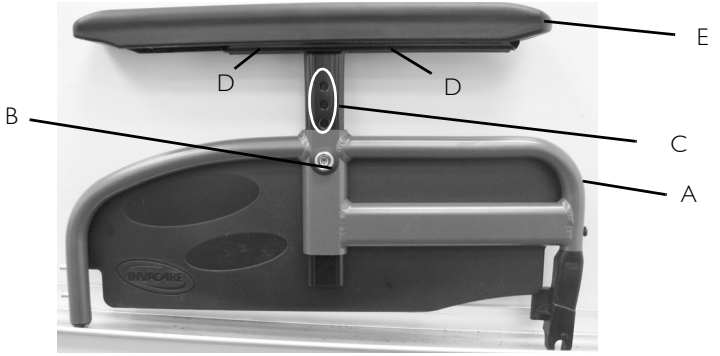
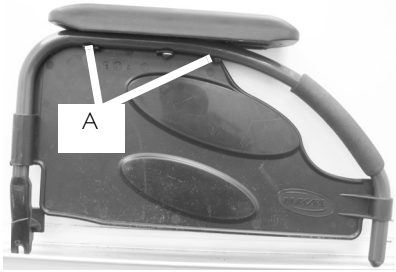


FIGURE 3 Adjusting the Height and Depth of the Flip Back Arms

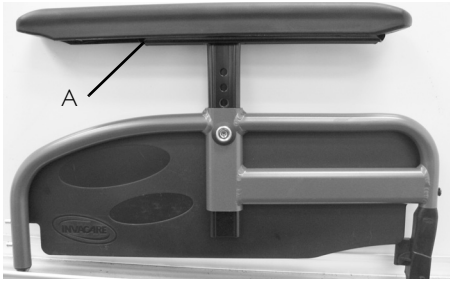
11.4 Replacing Armrest Arm Pad

1. Remove the armrest from the wheelchair. Refer to Removing/Installing and Adjusting T-Arms on page 75 or Adjusting the Height and Depth of the Flip Back Arms on page 78.
2. Remove the mounting screw(s) (A) that secure the arm pad (B) in place.
3. Replace arm pad and securely tighten with the existing mounting screws.
4. Install the armrest onto the wheelchair. Refer to Removing/Installing and Adjusting T-Arms on page 75 or Adjusting the Height and Depth of the Flip Back Arms on page 78.

Flip Back Non Adjustable Height



Flip Back Adjustable Height



T - Arm

FIGURE 4 Replacing Armrest Arm Pad

11.5 Installing the Optional Swingaway Padded Armrest Socket Assembly

In Figure 5 only the left side of the frame is shown for clarity.

1. Remove the mounting screw and locknut that secures the axle mounting bracket to the frame.
2. Position the armrest tube (A) on the inside of the wheelchair frame (B) as shown.
3. From the outside of the frame, thread one mounting screw (C) with washer (D) through axle mounting bracket (E), back cane bracket (F), wheel chair frame (B), and armrest tube (A).

4. Install washer (G) and locknut (H).
5. From the outside of the frame, thread one mounting screw (I) with washer (C) through back cane bracket (F), wheelchair frame (B), spacer (J) and armrest tube (A).
6. Install washer (G) and locknut (H).
7. Securely tighten both mounting screws.

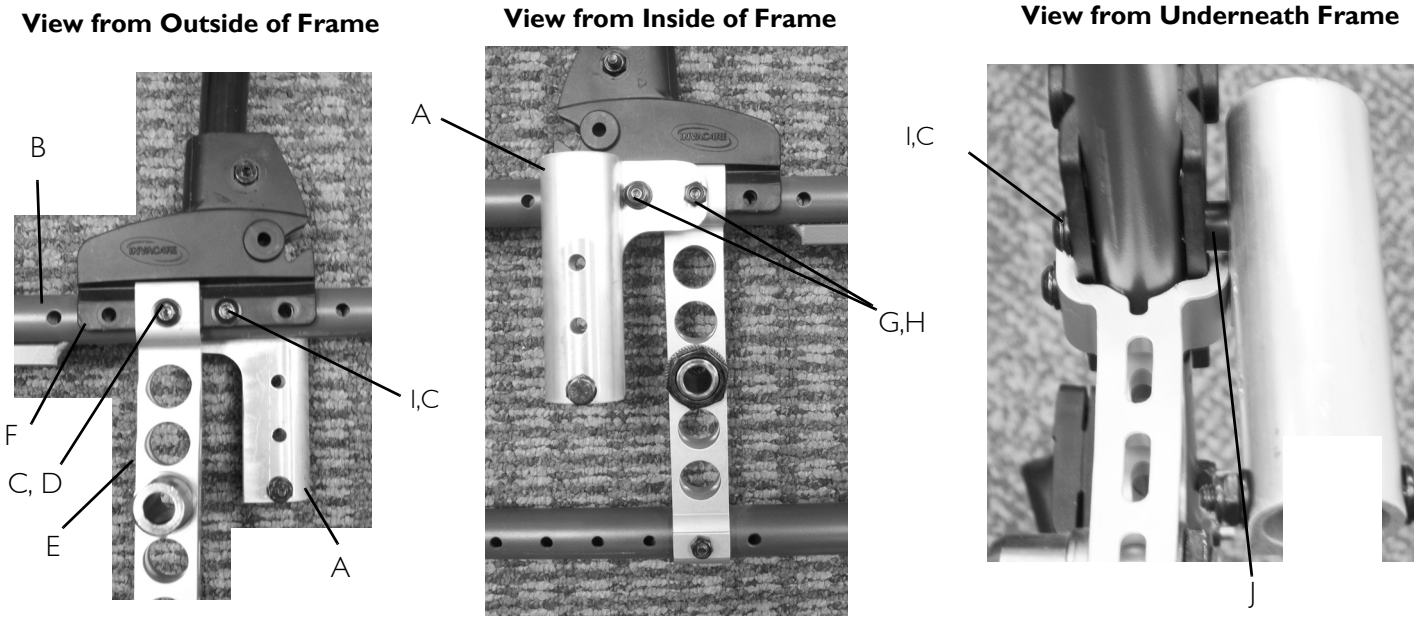


FIGURE 5 Installing the Optional Swingaway Padded Armrest Socket Assembly

11.6 Adjusting Swingaway Padded Armrest Height

1. Remove the half arm from the arm socket.
2. Remove the mounting bolt (A), two washers (B) and locknut (C) mounted in the arm socket (D) that determine the swingaway padded armrest height.
3. Reposition mounting bolt (A) and one washer (B) to one of three positions in the arm socket depending on the desired height.
4. Retighten the mounting bolt (A) and washer (B) to the arm socket (D) with the remaining washer and locknut.
5. Reinstall the half arm into the arm socket.
6. Repeat STEPS 1-5 for the opposite side, if necessary.

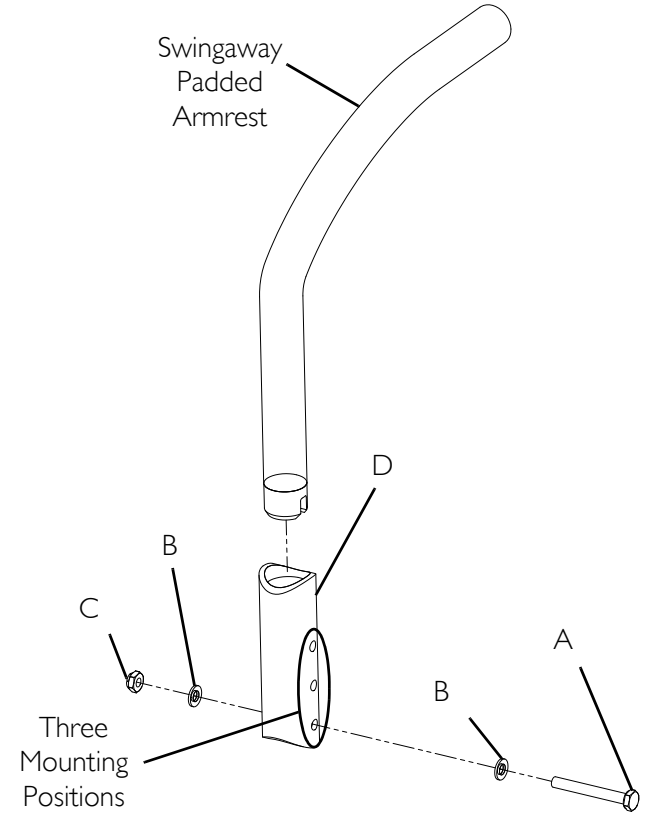


FIGURE 6 Adjusting Swingaway Padded Armrest Height

11.7 Using the Locking Cantilever Arms

1. Push the locking mechanism actuator (A) towards the front of the wheelchair.
2. While holding the locking mechanism actuator, pull up on the cantilever arm (B) towards the rear of the wheelchair.

   If necessary, the locking mechanism in the cantilever arm can be repositioned so the cantilever arm will open down instead of up. For this adjustment, contact a qualified technician.

3. To lock the cantilever arm, push down until there is an audible click.
4. Pull up on the cantilever arm to make sure it is locked in place.

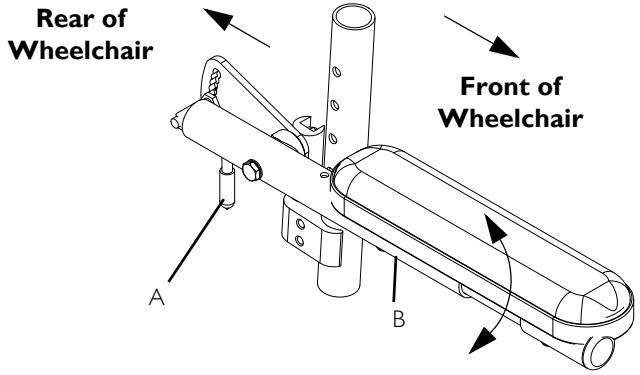


FIGURE 7 Using the Locking Cantilever Arms

11.8 Removing/Installing Locking Cantilever Arms

Removing

1. Remove the two mounting screws (A) and washers (B) that secures the clamp (C) to the back cane (D).
2. Remove the clamp (C) and cantilever arm (E) from the back cane (D).

Installing

1. Secure the cantilever arm (E) to the back cane with two mounting screws (A), washers (B) and clamp (C). Tighten securely.

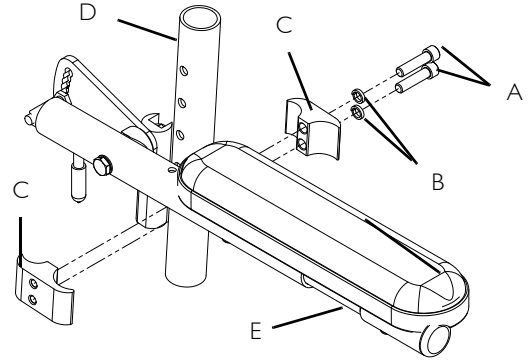


FIGURE 8 Removing/Installing Locking Cantilever Arms

11.9 Adjusting Locking Cantilever Arm Height

1. Loosen the two mounting screws (A) that secure the clamp to the back cane (B).
2. Slide cantilever arm (C) up or down on the back cane to the desired location.
3. Tighten the two mounting screws securing the clamp in place on the back cane.

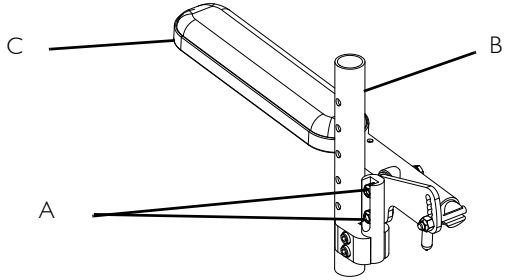


FIGURE 9 Adjusting Locking Cantilever Arm Height

Adjusting the Locking Cantilever Arm Angle

This adjustment is recommended if the back angle has been changed to keep arm parallel to the ground/floor.

1. Flip the cantilever arm up and out of the way.
2. Remove the locknut (A) that secures the locking pin (B) to the arm adjustment plate (C).
3. Determine the desired mounting hole in the arm adjustment plate.
4. Securely tighten the locking pin (B) and washer (E) to the adjustment plate with a locknut.
5. Repeat STEPS 1-4 for the opposite side, if necessary.

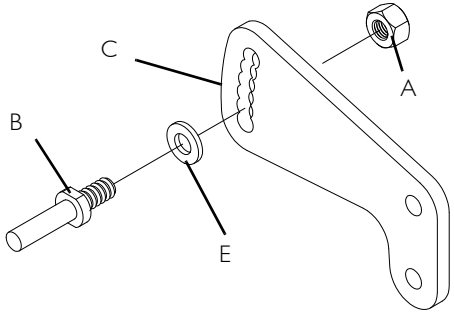


FIGURE 10 Adjusting the Locking Cantilever Arm Angle

12 Seat/Back

WARNING

The seat height, seat depth, back angle, seating system, size/position of the rear wheels, size/position of the front casters, as well as the user condition directly relate to the stability of the wheelchair. Any change to one or any combination of the nine may cause the wheelchair to decrease in stability. These adjustments MUST be performed by a qualified technician.

WHEELCHAIRS WITH TRRO ONLY - The seat depth and center of gravity are factory set. DO NOT adjust the seat depth or center of gravity - otherwise injury or damage may occur. Contact Invacare for service.

After any adjustments, repair or service and before use, make sure all attaching hardware is tightened securely - otherwise injury or damage may occur.

12.1 Removing/Installing the Back

Removing

1. Remove the mounting screw (A) and locknut (B) that secures the back cane (C) to the back cane bracket (D).
2. Repeat STEP 1 for remaining back cane.
3. Remove the back canes out of the back cane brackets.

Install

1. Place the back cane (C) in the back cane brackets (D).
2. Secure the back cane in back cane bracket with mounting screw (A) and locknut (B). Tighten securely.
3. Repeat STEP 1 for remaining back cane.

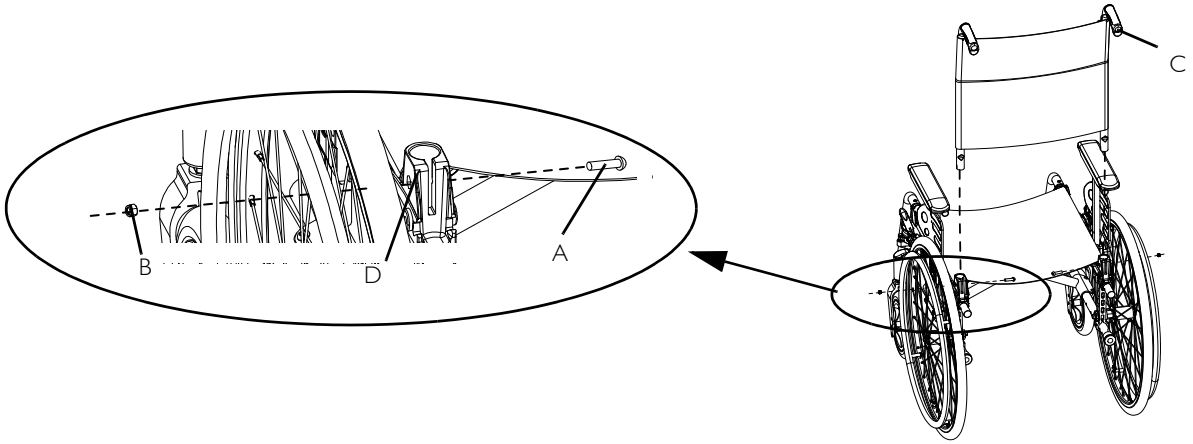


FIGURE 1 Removing/Installing the Back

12.2 Removing/Installing Seat Upholstery

Removing Seat Upholstery

To install the seat upholstery, reverse this procedure.

1. Fold the wheelchair. Refer to Unfolding and Folding Wheelchair on page 36.
2. Remove the mounting screws (A) that secures the seat upholstery (B) to the front and back seat rails (C).
3. Remove the endcaps (D) from the front of the seat rails.
4. Slide the seat upholstery out of the seat rails.

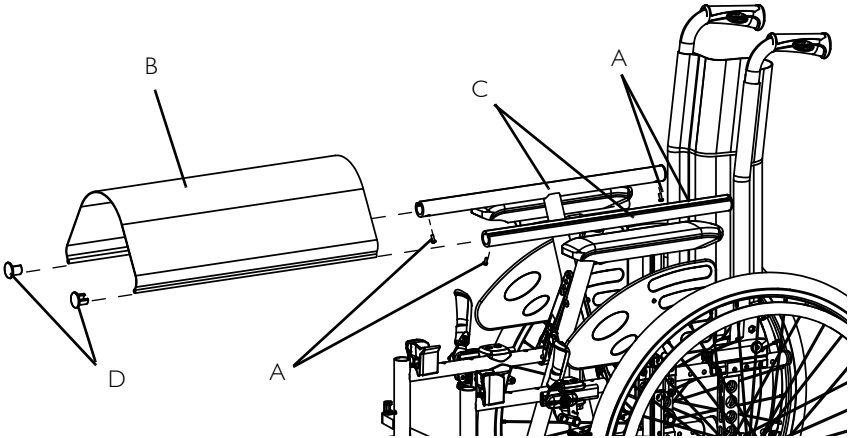


FIGURE 2 Removing/Installing Seat Upholstery

12.3 Removing/Installing Standard Back Upholstery.

Removing

1. Remove the back. Refer to Removing/Installing the Back on page 84.
2. Remove the mounting screw (A) that secures the back upholstery (B) to the back canes (C).
3. Remove the back upholstery from the back canes.

Installing

1. Slide the back canes into the back upholstery.
2. Secure the back upholstery to the back canes with two mountings screws.
3. Install the back. Refer to Removing/Installing the Back on page 84.

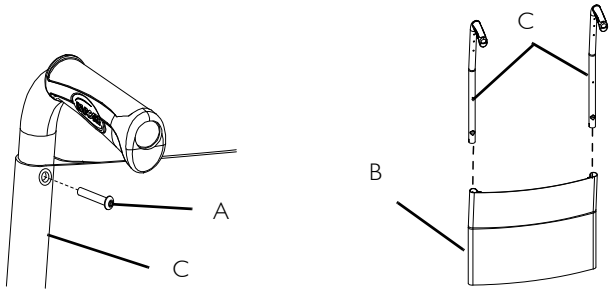


FIGURE 3 Removing/Installing Standard Back Upholstery.

12.4 Adjustable Back Upholstery

Adjustable Tension Straps

The adjuster straps can be adjusted at various levels of tension to accommodate individual end-users. In a typical scenario, the bottom two straps can be adjusted tightly to support and/or assist the extensor muscles.

Back Upholstery Cover

The back upholstery cover is designed for three reasons:

1. The first is as a modesty cover.
2. The second is to keeps the cushion from sliding out of the back of the wheelchair.
3. The third is a sacral support depending upon how far or tight the seat portion of the back upholstery is pulled under the seat cushion.

12.5 Installing/Replacing Adjustable Back Upholstery

Installing Adjustable Back Upholstery

1. Remove the existing back upholstery from the wheelchair. Refer to Removing/Installing Standard Back Upholstery. on page 87.
2. Slide each anchor loop/adjuster strap section (A) onto the back canes (B) with the grommet holes (C) facing the rear of the wheelchair.
3. Secure each anchor loop/adjuster strap section to the back canes with the two mounting screws and washers (D).

Clean the upholstery with warm water and mild detergent to remove superficial soil.

WARNING

After the adjustable back upholstery has been positioned to the end-users individual needs, the fastening straps MUST be securely fastened before applying the back upholstery cover. The adjustable back should be checked whenever entering the wheelchair to ensure that the fastening straps are securely fastened.

4. Slip adjuster straps (E) through corresponding anchor loops and adjust the back upholstery. Secure with the fastening straps.
5. Secure the fastening straps (F) of the back upholstery cover (G) to the fastening straps (H) of each anchor loop/fastening strap section.
6. Flip the back upholstery cover over both anchor loop/fastening strap sections and secure the fastening straps on the front.
7. Lay the front portion of the back upholstery cover on the seat upholstery.
8. Adjust the slack in the back upholstery cover and then secure to the seat upholstery.

Replacing Adjustable Back Upholstery

1. Lift up on the existing back upholstery cover (G) and remove the cover from the wheelchair.
2. Remove the two mounting screws and washers (D) that secure each anchor loop/fastening strap section to the back canes.
3. Slide each anchor loop/adjuster strap section off of the back canes.
4. Install new adjustable back upholstery. Refer to Installing Adjustable Back Upholstery on page 88.

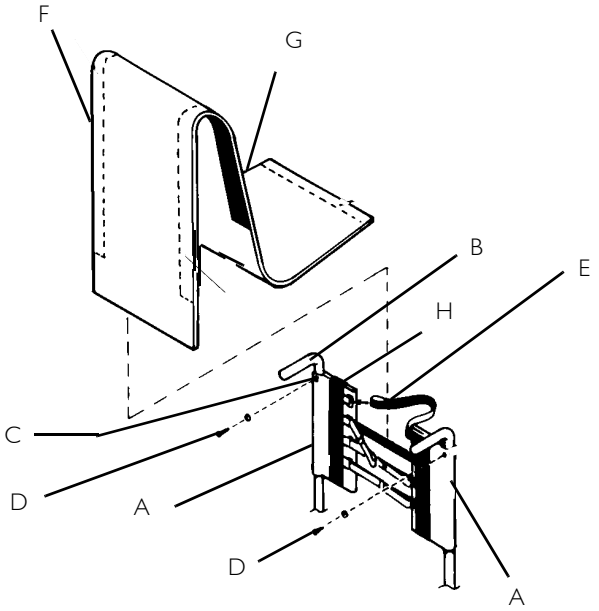


FIGURE 4 Installing/Replacing Adjustable Back Upholstery

Adjusting the Height Adjustable Back

There are three height ranges of back canes available - 12-16-inches (7° bend 15-19, 16-20 inch straight back canes), the following steps refer to 15 - 19 inch.

Both back canes must be positioned to the same adjustment holes.

1. Remove the back height adjustment screw (A) and locknut (B) that secures the back cane (C) to the back cane support (D).
2. Reposition the back cane to one of five height adjustment holes (E) in the back cane support.
3. Reinstall the height adjustment screw and locknut and securely tighten.
4. Repeat STEPS 1-3 for remaining back cane.

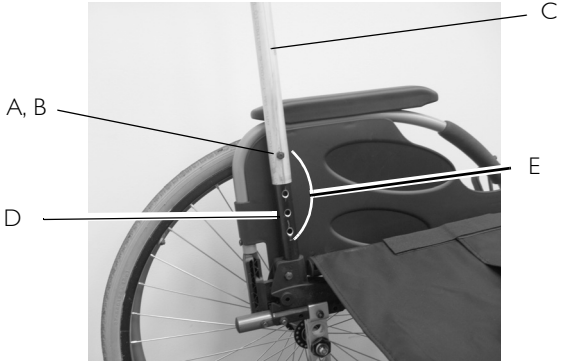


FIGURE 5 Adjusting the Height Adjustable Back

12.6 Adjusting the Back Angle

1. Remove the rear wheels. Refer to Removing/Installing Rear Wheels on page 93.
2. If equipped with flip back armrests, remove the flip back armrests. Refer to Removing/Installing Flipback Armrests on page 77.
3. Loosen mounting screw (A) and then mounting screw (B).

   Back angle adjustment range (C) is -6° forward to 15° back.
   Use the indent (D) as the angle indicator when rotating the back cane.

4. Rotate the back cane (E) to desired angle.
5. Retighten mounting screw (B) and then mounting screw (A).

   Back canes MUST be adjusted to same back angle.

6. Repeat STEPS 1-5 for remaining back cane.

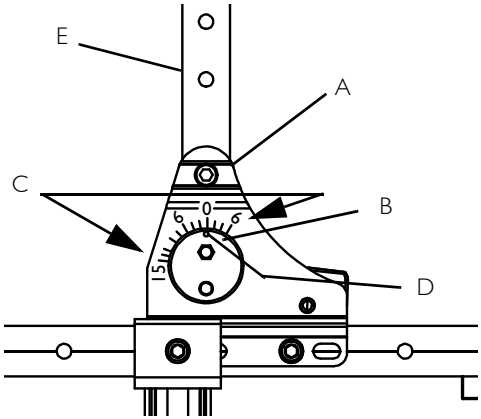


FIGURE 6 Adjusting the Back Angle

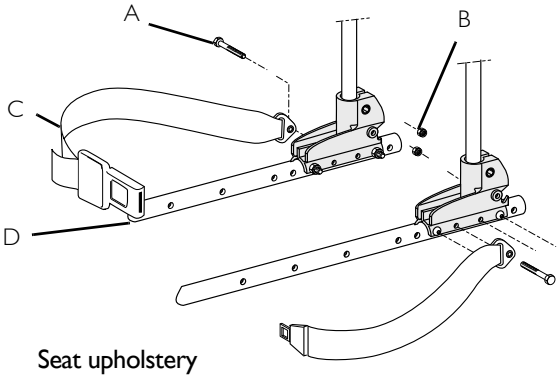
12.7 Removing/Installing the Seat Positioning Strap

Removing

1. Remove seat cushion from wheelchair, if necessary.
2. Remove the mounting screws (A) and locknuts (B) that secures the seat positioning straps (C) to the wheelchair frame (D).
3. Remove the existing seat positioning straps from the wheelchair.

Installing

1. Engage the two halves of the seat positioning strap.
2. Align the mounting holes on the wheelchair frame and the ends of the seat positioning strap.
3. Secure the seat positioning strap to the wheelchair frame with two mounting screws and washers. Tighten securely.
4. Reinstall seat cushion onto wheelchair, if necessary.



Seat upholstery removed for clarity.

FIGURE 7 Removing/Installing the Seat Positioning Strap

12.8 Installing/Removing the Spreader Bar

To remove spreader bar, reverse this procedure

1. Remove the end caps from the back canes.
2. Remove the handles (A) from the back canes (B).
3. Install the inserts (C) into the back canes.
4. Secure the inserts with mounting screws (D).
5. Install the handles on the back canes.
6. Align the spreader bar (E) ends with the handles of the back canes.
7. Secure the spreader bar to the back canes with the mounting bolts (F).

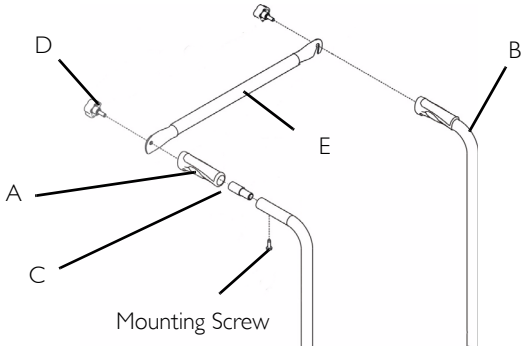


FIGURE 8 Installing/Removing the Spreader Bar

13 Rear Wheels/Front Casters

WARNING

The seat height, seat depth, back angle, seating system, size/position of the rear wheels, size/position of the front casters, as well as the user condition directly relate to the stability of the wheelchair. Any change to one or any combination of the nine may cause the wheelchair to decrease in stability. These adjustments MUST be performed by a qualified technician.

WHEELCHAIRS WITH TRRO ONLY - The caster headtube is factory set. DO NOT remove or adjust caster headtube - otherwise injury or damage may occur. Contact Invacare for service.

After any adjustments, repair or service and before use, make sure all attaching hardware is tightened securely - otherwise injury or damage may occur.

13.1 Removing/Installing Rear Wheels

WARNING

If changing the size of the rear wheel or the seat-to-floor height, this procedure must be performed by a qualified technician.

Permanent Axles

Removing

1. Remove the permanent axle (A), washer (B) and locknut (C) that secure rear wheel (D) to the axle bracket (E).
2. Remove existing rear wheel from the wheelchair.
3. Install new/existing rear wheel onto wheelchair. Refer to Removing/Installing Rear Wheels on page 93.

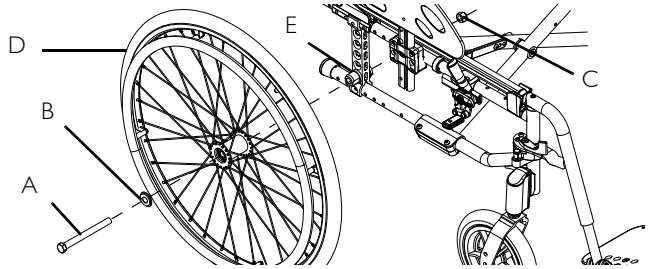


FIGURE 1 Removing/Installing Rear Wheels - Permanent Axles

Installing

1. Install permanent axle (B) through washer (C), rear wheel (E) and axle bracket (F).
2. Securely tighten with the existing locknut (D). Torque to 20-40 ft-lbs.
3. Reinstall the dust cap onto the permanent axle.
4. If necessary, repeat STEPS 1-3 for opposite rear wheel.

Quick-Release Axles

Removing

1. Hold the center of the rear wheel (A) and push in the tip of the quick-release axle (B).
2. Pull the quick-release axle and rear wheel out of the axle bracket (C) on the wheelchair frame (D).
3. Push in the tip of the quick-release axle again and pull the quick-release axle out of the existing rear wheel.
4. Install new/existing rear wheel onto wheelchair. Refer to Removing/Installing Rear Wheels on page 93.

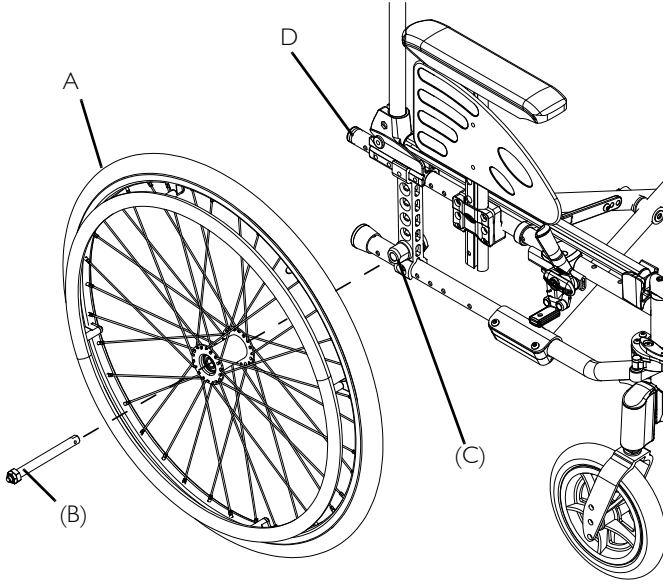


FIGURE 2 Removing/Installing Rear Wheels - Quick-Release Axles

Installing

WARNING

Make sure the detent pin and locking pins of the quick-release axle are fully released before operating the wheelchair.

The locking pins MUST be protruding past the inside of rear wheel hub for a positive lock.

Keep locking pins clean.

Invacare recommends inserting quick-release axles with the head end to the inside of the wheelchair to prevent accidental release during contact activities.

1. Install the quick-release axle (B) through the rear wheel (A).
2. Install the rear wheel (A) and quick-release axle (B) into the axle bracket (C) on the wheelchair frame (D).
3. If the locking pins are not protruding past the inside of the axle bushing or there is too much movement of the rear wheel assembly in a back and forth position, refer to Adjusting Quick-Release Axles on page 95.

13.2 Adjusting Quick-Release Axles

1. Remove rear wheel and quick-release axle from the wheelchair. Refer to Removing/Installing Rear Wheels on page 93.
2. Depress detent pin (A) in the quick-release axle (B) and slide the quick-release axle through the rear wheel hub (C).
3. Release detent pin to ensure that the locking pins (D) are fully released.
4. Increase or decrease end play by adjusting the locknut (E) on the end of the quick-release axle.

WARNING

Make sure the detent pin of the quick release axle is fully released before operating the wheelchair.

Keep locking pins clean.

5. Reinstall rear wheel onto the wheelchair. Refer to Removing/Installing Rear Wheels on page 93.
6. Repeat STEPS 4-5 until the quick release axle detent pins are fully released past the wheelchair frame.

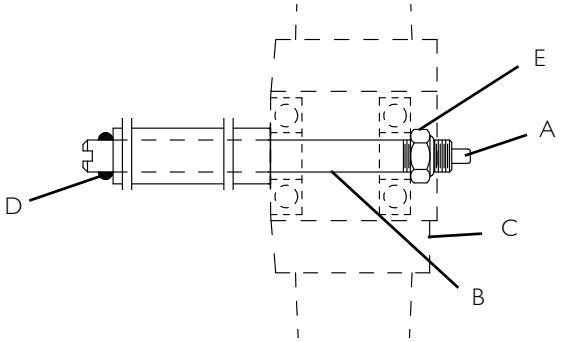


FIGURE 3 Adjusting Quick-Release Axles

13.3 Replacing Handrims

1. Remove the rear wheel from the wheelchair. Refer to Removing/Installing Rear Wheels on page 93.
2. Remove the mounting screws (A) that secure the existing handrim (B) to the rear wheel (C).
3. Remove the existing handrim.
4. Install the new handrim and secure to the rear wheel with the existing mounting screws.
5. Reinstall the rear wheel to the wheelchair. Refer to Removing/Installing Rear Wheels on page 93.
6. Repeat STEPS 1-5 for opposite wheel, if necessary.

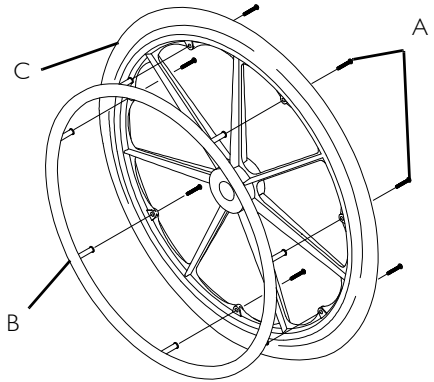


FIGURE 4 Replacing Handrims

13.4 Adjusting Forks

1. Remove the dust cover (A) from the caster headtube (B).

   The sector block may need to be removed in order to remove the dust cover. Refer to Adjusting Forks on page 97.

2. To properly tighten caster journal system and guard against flutter, perform the following check:
   A. Tip back the wheelchair to floor.
   B. Pivot both forks (C) and casters (D) to top of their arc simultaneously.
   C. Let casters drop to bottom of arc.
   D. Adjust locknuts (E) according to freedom of caster swing.
3. Repeat STEPS C-D until the wheels swing once to one-side, then immediately rest in a straight downward position.
4. Test wheelchair for maneuverability.
5. Snap dust cover into the caster headtube.

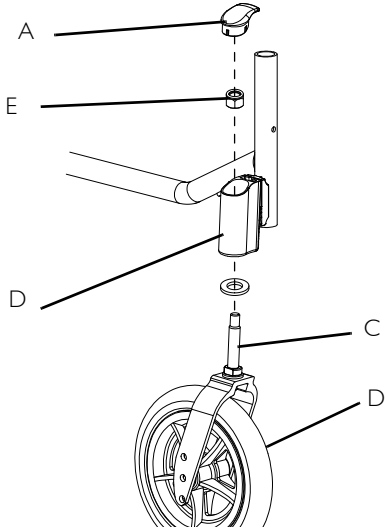


FIGURE 5 Adjusting Forks

13.5 Removing/Installing the Caster Assemblies

If replacing a front caster note the mounting position of the existing front caster for installation of the new front caster.

If repositioning front casters or replacing the existing front caster with a caster of a different size, refer to "Changing the front seat to floor height" in the service manual to determine the front caster position needed for the required front seat-to-floor height.

Both front casters MUST be the same size and adjusted to the same height.

Removing Front Caster

1. Note mounting position
1. Remove the mounting bolt (A), axle spacers (B) and locknut (C) that secure the front caster (D) to the fork (E).
2. Remove the caster from the fork.

Installing Front Caster

1. Secure the front caster (D) to the caster mounting position noted in STEP 1 with mounting bolt (A), axle spacers (B), and locknut (C).
2. Ensure fork stem is perpendicular to the flat surface. Refer to Removing/Installing the Caster Assemblies on page 98.

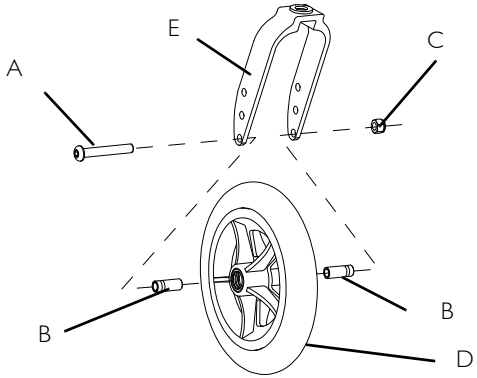


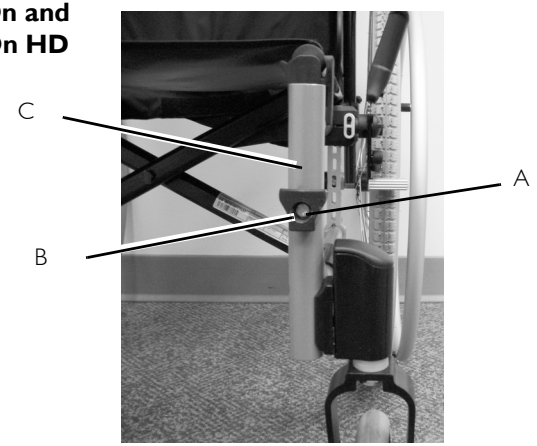
FIGURE 6 Removing/Installing the Caster Assemblies

13.6 Replacing the Sector Block

To install the sector block, reverse this procedure.

1. Remove the mounting screw (A) securing the existing sector block (B) to the wheel chair frame (C).
2. Remove the existing sector block from the wheelchair frame.
3. Secure new sector block to wheelchair with mounting screw. Tighten securely.

MyOn and MyOn HD



MyOn Jr

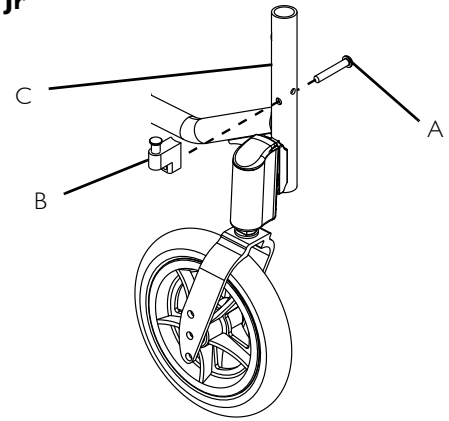


FIGURE 7 Adjusting Forks

14 Wheel Locks

WARNING

After any adjustments, repair or service and before use, make sure all attaching hardware is tightened securely - otherwise injury or damage may occur.

14.1 Adjusting Wheel Locks

When changing the position of the rear wheels, the wheel locks MUST be repositioned.

Before adjusting or replacing the wheel lock assemblies, ensure that the tires are inflated to the recommended p.s.i on the side wall of the tire.

If wheel locks need replacement, installation must be performed by a qualified technician.

Adjusting Wheel Lock Position

1. Remove the two mounting screws (A) that secures the wheel lock assembly (B) to the wheelchair frame (C).
2. Remove the wheel lock assembly from the clamp assembly (D).
3. Move the clamp assembly to the other wheel lock position on the wheelchair frame.
4. Install the wheel lock assembly into the clamp assembly.
5. Secure the wheel lock assembly to the wheelchair frame with the two mounting screws.
6. Repeat STEPS 1 to 5 for the other wheel lock assembly.

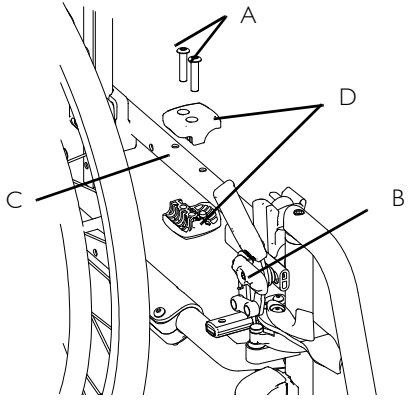


FIGURE 1 Adjusting Wheel Lock Position

Adjusting Wheel Lock Tension.

1. Loosen, but DO NOT remove the two set screws (A) that secure the wheel lock assembly (B) to the wheelchair frame (C).
2. Measure the distance between the wheel lock shoe (D) and the rear wheel (E).
3. Slide the wheel lock along the wheelchair frame until the measurement is between 5/32 and $^{5}/_{16}$ inches.
4. Securely tighten the two set screws.
5. Repeat STEPS 1-4 for the opposite wheel lock.
6. Engage the wheel locks and push against the wheelchair to determine if the wheel locks engage the rear wheels enough to hold the occupied wheelchair.
7. Repeat STEPS 1-6 until the wheel locks engage the rear wheels enough to hold the occupied wheelchair.

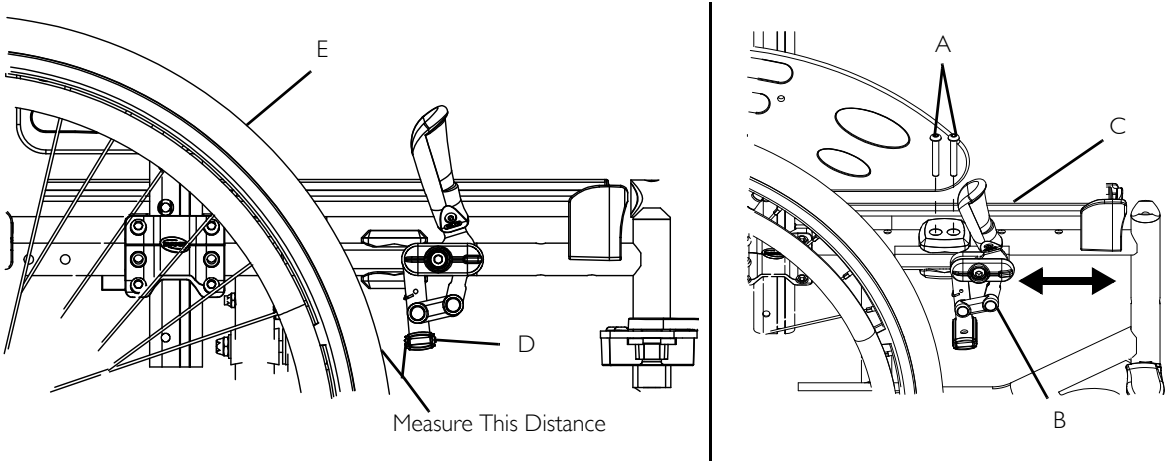


FIGURE 2 Adjusting Wheel Locks- Adjusting Wheel Lock Tension.

14.2 Replacing Wheel Lock Handle.

1. Remove the mounting screw (A) and locknut (B) that secures the wheel lock handle (C) to the wheel lock assembly (D).
2. Remove the wheel lock handle and discard.
3. Align the new wheel lock handle with the wheel lock assembly.
4. Secure the new wheel lock handle with the mounting screw and locknut.
5. If necessary, repeat STEPS 1 to 4 for the other wheel lock.

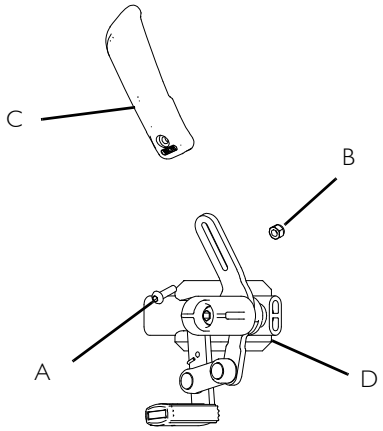


FIGURE 3 Replacing Wheel Lock Handle.

15 Anti-tippers

WARNING

After ANY adjustments, repair or service and BEFORE use, make sure all attaching hardware is tightened securely - otherwise injury or damage may occur.

Anti-tippers MUST be attached at all times. Inasmuch as the anti-tippers are an option on this wheelchair (you may order it with or without the anti-tippers), Invacare strongly recommends ordering the anti-tippers as an additional safeguard for the wheelchair user.

Anti-tippers MUST be fully engaged and release buttons fully protruding out of adjustment holes.

Ensure both anti-tippers are adjusted to the same mounting hole.

15.1 Installing Anti-Tippers

1. Press release buttons (A) in and insert anti-tippers (B) with the anti-tipper wheels (C) pointing toward ground/floor into the rear frame tubing (D) until bottom release button locks in place.
2. Measure the distance between the bottom of the anti-tipper wheels and the ground/floor.

   A $1^{1}/_{2}$ to 2-inch clearance between the bottom of the anti-tipper wheels and the ground/floor MUST be maintained at all times.

3. If the distance between the bottom of anti-tipper wheels and the ground/floor is not 1½ to 2-inches, adjust anti-tippers. Refer to Adjusting Anti-Tippers on page 104.

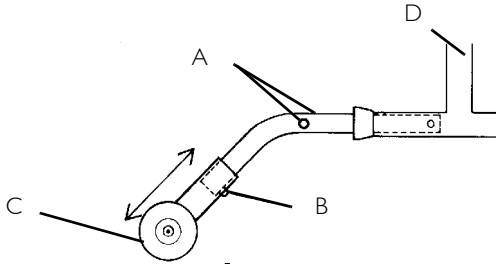


FIGURE 1 Installing Anti-Tippers

15.2 Adjusting Anti-Tippers

WARNING

When anti-tippers are used, anti-tippers MUST be adjusted to maintain a $1^{1}/_{2}$ to 2 inch clearance between the bottom of the anti-tipper wheels and the ground/ floor. This spacing should always be checked whenever adjustments/changes are made to the wheelchair. Failure to maintain proper spacing may result in the chair tipping over backward causing serious injury or property damage.

1. Press the release buttons (A) on the wheeled portion of the anti-tipper and slide it up or down to achieve the $1^{1}/_{2}$ to 2-inch clearance.
2. Check to make sure that the release buttons are fully engaged in adjustment holes.

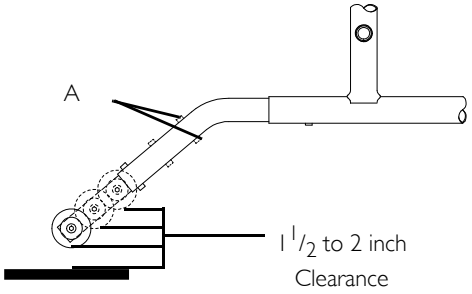


FIGURE 2 Adjusting Anti-Tippers

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Part No 1167418 Rev B - 1/13

Yes, you can.